

Ikechukwu (Ike) Ogbuanu, MD, MPH, PhD

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Summary

EIS alumnus, public health leader, physician and medical epidemiologist specializing in the control of tropical and infectious diseases with 20 years of progressive experience in clinical medicine, academic research, global public health, vaccinology, leadership and management. More than 30 peer-reviewed publications ranging from HIV/AIDS, vaccine-preventable diseases and genetic epidemiology.

Extensive leadership roles in managing multi-million-dollar grants and translating public health data into policy changes with measurable impact. Proven track record of designing and implementing scientific studies and analyzing and synthesizing data to support field vaccination policy and programming at the global and multiple country levels. Wide range of expertise in quantitative and qualitative health research, program design and implementation, technical policy development, and international health diplomacy. Successful collaborations and direct technical support in Asia, Africa, Western Pacific, Eastern Mediterranean, Europe and the Americas.

Substantial technical experience managing cross-functional teams and complex relationships with key global development partners, including USAID, the Gavi Alliance, the Gates Foundation, US-CDC, vaccine manufacturers, and UNICEF, with a view to reducing preventable childhood mortality and promoting equitable use of new and under-utilized vaccines.

Education

EIS 2009 Class (Epidemic Intelligence Service; Graduate Fellowship in Applied Epidemiology); CDC	06/2011
PhD (Epidemiology and Biostatistics); University of South Carolina, Columbia [GPA = 4 out of 4]	05/2009
MPH (Health Services Policy & Management); University of South Carolina, Columbia [GPA = 4/4]	05/2006
MD (Medicine and Surgery); University of Nigeria, Nsukka [Best Graduating Medical Student]	11/1998

Current employment

Medical Officer at the World Health Organization HQ, Geneva (WHO-HQ) 12/2014 to present
(Detailed by the US-CDC)

- Developed and disseminating tools for decision making regarding the optimal use of new and under-utilized vaccines, with special focus on providing technical assistance to national immunization technical advisory groups (NITAGs).
- Providing technical guidance to countries and regions to evaluate and document the impact of recently introduced vaccines in national, regional and global immunization programmes.
- Managing the implementation and reporting on multiple WHO grants and cooperative agreements with CDC and BMGF.
- Designed, operationalised and disseminating the methodology to reduce missed opportunities for vaccination (MOV) as a global strategy to improve vaccine confidence, timeliness, coverage and equity, using a mixed-methods approach: an assessment component (exit surveys, KAP surveys,

focus group discussions, in-depth interviews) and an intervention component (brainstorming sessions and implementation of prioritised interventions).

- Built and leading a cross-functional and multi-cultural collaborative partnership of eleven (11) international organizations (including WHO, UNICEF, CDC, PAHO, MSF, BMGF, JSI, AMP, GAVI, VillageReach and CHAI) to serve as *MOV champions* and support implementation of prioritized interventions to reduce MOV and improve vaccine uptake and timeliness in countries.
- Providing advice to regional and country offices on the characteristics of existing vaccine products, advise vaccine manufacturers about programmatic suitability and preferred product characteristics for pipeline and newer products, and maintain a demand forecast for new and under-utilized vaccines of global importance.
- Serve as technical focal point for WHO interactions with vaccine manufacturers and the Gavi alliance on issues related to vaccine effectiveness, safety, formulations and implementation.
 - Examples include previous and ongoing consultations with GSK (*RTS,S* malaria vaccine pilot, *Cervarix* Human Papilloma Virus [HPV] vaccine, *Synflorix* Pneumococcal vaccine [PCV] vaccine switch from 2D to 4D vials and *Rotarix* rotavirus vaccine pin to spike switch); Sanofi Pasteur (*Dengvaxia* vaccine safety and implementation); Pfizer (*Pevnar* PCV switch from 2D to 4D); Merck (*Gardasil* HPV vaccine 4v to 9v and *RotaTeq* rotavirus vaccine); Bharat (*Rotavac*) and Serum Institute (*Rotasiiil* and *Pneumosiiil*).
- Providing evidence-based tailored technical assistance to regions and countries for implementing the new malaria vaccine (*RTS,S*) pilots, introduction of *MenAfriVac* vaccine into routine immunization programmes, introduction of **Japanese Encephalitis vaccine**, **HPV vaccine scale-up**, **typhoid conjugate vaccine** roll-out, and roll-out of **rotavirus and pneumococcal vaccines**.
- Promoting strategies to improve vaccination coverage, equity, timeliness and program sustainability, to ministries of health and local implementing partners in multiple countries (**Burkina Faso, Chad, DRC, Jordan, Kenya, Malawi, Mozambique, Nepal, Nigeria, Timor Leste, Zimbabwe**).
- As the EPI focal point to the WHO Secretariat for the **Strategic Advisory Group of Experts on Immunization (SAGE)**, provide interpretation of clinical trial data and value proposition needed for decision-making on antigen-specific global recommendations and the use of new vaccines or alternate formulations, as well as promote vaccine confidence related to effectiveness and safety.
- As a member of the *WHO Editorial Board*, provide technical inputs and edits during the drafting of WHO **vaccine position papers** (recent examples - BCG, Dengue, Diphtheria, Hep B birth dose, Hepatitis E, Fractional Yellow Fever, HPV, Measles, Pertussis, Typhoid and Pneumococcal vaccine position papers).

Employment history

Medical Epidemiologist at U.S. Centers for Disease Control & Prevention (US-CDC) 09/2011 – 12/2014

- As medical officer and vaccine-preventable disease epidemiologist with 40% international travel, provided critical technical input on novel strategies to eradicate polio as well as direct technical support to outbreak countries, doubling as the lead epidemiologist on the Nigeria Desk and as the team lead of the Outbreak Desk at the CDC Emergency Operations Center (EOC).
- Spearheaded the creation and use of the first polio performance monitoring dashboard at the Nigerian National Polio Emergency Operations Center (EOC) in Abuja, by leading the prioritization process for the final set of six indicators and supporting a CDC informatics fellow in the design of the first version of the dashboard for sharing with the national decision-makers. That dashboard became the prime tool for monitoring the progress of the polio eradication programme in Nigeria from 2013 to date.

- In collaboration with external research consultants, conducted rigorous statistical modelling for prediction of polio outbreaks in high-risk districts, resulting in sound recommendations for preventing further outbreaks.
- Led the implementation and reporting on a **\$5 million CDC grant** to establish the National Stop Transmission of Polio (NSTOP) programme in Nigeria, in collaboration with the Ministry of Health, AFENET HQ in Uganda and FELTP in Nigeria.
- Organized and led a five-day **scientific writing workshop** for field epidemiology staff in Nigeria, resulting in the drafting of 19 mission-critical manuscripts, ten (10) of which are now published.
- Provided **mentorship to in-coming EIS officers** and guidance to field epidemiology residents on polio-specific **research projects** for the fulfilment of their master's thesis requirements and provided **pre-deployment training and coaching** to National Stop Transmission of Polio (NSTOP) consultants.
- Contributed strong technical representation on behalf of CDC at national immunization policy forums, including strategic meetings with Global Polio Eradication Initiative partners and the Inter-agency Coordinating Committee on Immunization.
- Provided substantial technical input in developing concept notes for **programmatic innovations** to improve the polio eradication programme (in collaboration with **USAID, WHO, UNICEF, Rotary International and the Gates Foundation**).
- Led the implementation of a **\$2.7 million USAID-funded grant** to support the work of polio field officers in Northern Nigeria to improve routine immunization and primary health care services.

Epidemic Intelligence Service (EIS) Officer at US-CDC

07/2009 — 06/2011

- As lead data analyst and epidemiologist, provided a Data Analysis Consultation (jointly with **PAHO**) to the National Immunization Program, **Ministry of Health, Brasilia, Brazil** (May 2010) leading to an accurate diagnosis of persistent bottlenecks in data quality and immunization service delivery. One of the main outputs from this consultation were recommendations to Brazil on how best to summarize data and performance indicators from all 5,500 municipalities in a dashboard or visual format, to assist high-level decision-making at the national level.
- Provided technical leadership to the European Office of the **World Health Organization (EURO)** in the surveillance review of the Centralized Information System for Infectious Diseases (CISID) surveillance systems, to support the newly constituted regional verification committee in assessing progress towards the regional measles and rubella elimination goals (focus on data quality and completeness of reporting, performance indicator monitoring and data use) (Copenhagen, **Denmark**).
- Analysed the European Regional **mumps incidence and morbidity data** (in CISID) and made recommendations for a regional mumps control policy/strategy (Copenhagen, **Denmark**).
- Provided direct technical support to national immunization programs to control outbreaks of vaccine-preventable diseases and to improve the immunization programs in multiple countries (**Bosnia and Herzegovina, Brazil, Denmark, Namibia and New York, USA**).
- Led the documentation of the epidemiology of the 2009-2010 measles outbreak in Namibia resulting in a tailored outbreak response immunization campaign to control the outbreak, especially among adults, in support of the Ministry of Health and Social Services (MoHSS), Namibia.
- As **Principal Investigator (PI)**, developed a detailed protocol and conducted a rigorous cohort study of the feto-maternal complications of measles infection in pregnancy during the 2009-2010 measles outbreak (in collaboration with CDC-, WHO- and MoHSS, Namibia).

- Contributed substantial technical expertise to the field work and follow-up recommendations during the Post-Introduction Evaluations (PIE) of **Hib and DTaP-IPV vaccines in Bosnia and Herzegovina**, in collaboration with WHO country office and WHO EURO.
- Led an investigation of a **mumps outbreak** in a highly vaccinated orthodox Jewish community in Orange Co., New York.
- As **Principal Investigator (PI)**, conducted an IRB-approved field and analytic investigation of the effectiveness of a third dose of measles-mumps-rubella (**MMR**) vaccine for mumps outbreak control.

Research assistant/Epidemiologist at the University of South Carolina (USC) 05/2006 — 06/2009

- Led the statistical analysis for three cohort studies using SAS software (including descriptive statistics, logistic regression, Poisson regression models, general linear regression models, log-linear models, Cox-proportional hazard models, repeated measurement analysis for continuous and categorical outcome variables, cluster analysis, haplotype analysis, latent transition analysis, path analysis, and structural equation models).
- Provided analytical and administrative support to three cohort studies: Pregnancy Environment and Child Health (PEACH) study (South Carolina), Breastfeeding and Child Health study (Michigan) and the Isle of Wight Birth Cohort Genetic study (Isle of Wight, England).
- Led a team of nine (9) graduate research assistants that prepared successful grant proposals, recruited study participants, processed laboratory specimens (cord blood, maternal blood, placenta and breast milk samples) for genetic analyses, assessment of immune markers and of environmental pollutants (specifically organo-chlorines).
- Conducted in-depth analysis of the Isle of Wight Birth Cohort Data (*Epidemiologic analyses of genetic polymorphisms and asthma/allergy*) and documented genetic and epigenetic determinants of allergic manifestations in childhood, resulting in four peer-reviewed publications over a two-year period.
- Led the analysis of South Carolina **HIV/AIDS surveillance (HARS) and resistance (VARHS) data and published papers** to recommend improvements in entry and retention in clinical care, resulting in three peer-reviewed publications over a three-year period.

Medical Director at Faith Medical Center, Uyo 02/2003 — 08/2004

- Provided strategic leadership to 15 clinical and administrative staff of a non-profit medical outfit focusing on the care of indigent populations, resulting in a broadened patient base of more than 500%.
- Streamlined and improved administrative processes resulting in a significant improvement of clinical, administrative, laboratory, accounting and pharmacy services.
- Developed standardized care protocols and planned and executed medical outreaches to under-served populations, including treatment of malaria and tuberculosis patients, free eye care services, free surgeries, and **counselling of HIV-positive patients and their caregivers**.

Medical Officer at St. Luke's General Hospital, Anua 07/2002 — 02/2003

- As lead general surgeon, provided leadership for doctors and nurses in the surgery department and coordinated all resources required to maintain quality day-to-day inpatient care, resulting in reactivation of the surgical theatre and establishment of regular operation days.
- Provided **clinical training and coaching** for nursing school students during their ward/clinic rotations and high-quality trust-building leadership among other clinical colleagues.

Medical Officer at Imaobong Missionary Outreach Medical Center, Uyo

08/2000 — 04/2002

- Acquired proficiency in trauma management and emergency care and directly managed malaria, typhoid and most tropical, allergic and infectious diseases (in-patient and outpatient services).
- Provided **tuberculosis (TB) and HIV care and counselling to patients and their caregivers.**
- Acquired working knowledge of obstetric ultrasound diagnostics.

Medical Intern at 44 Nigerian Army Reference Hospital, Kaduna, Nigeria

06/1999 — 07/2000

- Acquired practical experience in Internal Medicine, Surgery, Pediatrics, and Obstetrics and Gynaecology (as well as Dermatology, Ophthalmology, ENT, Psychiatry, Orthopaedics and Community Medicine), **including care and treatment of HIV/AIDS and tuberculosis patients.**
- Managed the care of trauma cases and internally displaced persons during the *May 2000 Kaduna Religious (Sharia) Riots.*

Relevant professional experiences

- **Statistical Software:** *Advanced user:* SAS 9.4, EpiInfo and EpiData; *Proficient* in Stata, SPSS, WinBUGS, WinLTA, PHASE & Haploview programming.
- **Leadership and management:** Progressive supervisory and leadership responsibilities. Extensive track record of coaching, mentoring and supervision experience, strategic planning, budgeting and goal prioritization; experience providing vaccine policy briefs to senior U.S. and other country government officials.
- **Writing and communication:** Strong representational and communications skillsets, with excellent experience credibly and effectively presenting oral and written scientific, public health, and clinical insights across a variety of internal and external stakeholders; Peer-reviewer for high-impact scientific journals; multiple publications in peer-reviewed journals; published book chapter; scientific and programmatic reports; grant reviews and abstract presentations at international scientific conferences.
- **Excellent interpersonal and diplomatic skills** that foster productive, trusted working relationships with colleagues and peers in the scientific community, and with government officials, resulting in innovative thinking and synergistic solutions.
- **Training and teaching:** Co-instructor of record: Genetic Epidemiology (EPID 894): *A Statistical Approach to Genetic Epidemiology: Concepts and Applications*; Guest Lecturer: *Biologic Basis of Public Health (EPID 725): The use of Genetic Markers in Epidemiologic Studies.*
- **Word processing, spreadsheets and presentation software:** *Advanced user:* Microsoft Access Database, Excel, PowerPoint, Publisher and Word.

Languages

English (advanced level); French (elementary); Igbo (mother tongue);

Relevant recent publications (Full articles available at <https://www.linkedin.com/in/ike-ogbanu/>)

1. **Assessment of missed opportunities for vaccination (MOV) in Burkina Faso using the World Health Organization's revised MOV strategy: Findings and strategic considerations to improve routine childhood immunization coverage.** Lassané Kaboré, Bertrand Meda, Isaie Médah, Stephanie Shendale, Laura Nic Lochlainn, Colin Sanderson, Mâ Ouattara, William M.F. Kaboré, Edouard Betsem, Ikechukwu U. **Ogbanu. Vaccine, Vol. 38, Issue 48, 2020, pp. 7603-7611, ISSN 0264-410X, [Link](#).**
2. **Can vaccination coverage be improved by reducing missed opportunities for vaccination? Findings from assessments in Chad and Malawi using the new WHO methodology.** Ogbanu IU, Li AJ, Anya B-pM, Tamadji M, Chirwa G, Chiwaya KW, et al. (2019) PLoS ONE 14(1): e0210648. [Link](#)

3. **Opportunities to improve vaccination coverage in a country with a fledgling health system: Findings from an assessment of missed opportunities for vaccination among health center attendees—Timor Leste, 2016.** Anyie J. Li; Thelge Sudath Rohana Peiris; Colin Sanderson; Laura Nic Lochlainn; Manuel Mausiry; Rosye Bela Joana Benevides Monizda Silva; Ikechukwu Udo Ogbuanu; Vaccine, Volume 37, Issue 31, 18 July 2019, Pages 4281-4290. [Link](#).
4. **Home-based Record (HBR) Ownership and Use of HBR Recording Fields in Selected Kenyan Communities: Results from the Kenya Missed Opportunities for Vaccination Assessment.** Brown, DW, Tabu, C., Sergon, K., Shendale, S., Mugoya, I, Machekanyanga, Z., Okoth, P., Onuekwusi, I., Ogbuanu IU. PLoS ONE 2018;13(8): e0201538. [Link](#).
5. **Enhancing immunization during second year of life by reducing missed opportunities for vaccinations in 46 countries.** Hanson, C.M., Mirza, I., Kumapley, R., Ogbuanu, IU, Kezaala, R., Nand, R.. Vaccine. 31 May 2018. [Link](#)
6. **Planning guide to reduce missed opportunities for vaccination.** Geneva: World Health Organization; 2017. (Primary author). Licence: CC BY-NC-SA 3.0 IGO. Available at [Link](#)
7. **Methodology for the assessment of missed opportunities for vaccination.** Geneva: World Health Organization; 2017. (Primary author). Licence: CC BY-NC-SA 3.0 IGO. [Link](#)
8. **Vaccination to prevent human papillomavirus infections: From promise to practice.** (2017). Bloem P, Ogbuanu I. PLoS Med 14(6): e1002325. [Link](#)
9. **Routine Vaccination Coverage in Northern Nigeria: Results from 40 District-Level Cluster Surveys, 2014-2015 (2016).** Gunnala R, Ogbuanu IU, Adegoke OJ, Scobie HM, Uba BV, Wannemuehler KA, et al. PLoS ONE 11(12): e0167835. [Link](#)
10. **Measles outbreak reveals measles susceptibility among adults in Namibia, 2009–2011.** Ogbuanu, IU; Clementine Muroua; Martiena Allies; Kennedy Chitala; Sue Gerber; Primus Shilunga; Petrus Mhata; Jennifer L. Kriss; Lucille Caparos; Sheilagh B. Smit; Roselina J. de Wee; James L. Goodson.. SAMJ. March, 2016. [Link](#)
11. **An evaluation of community perspectives and contributing factors to missed children during an oral polio vaccination campaign--Katsina State, Nigeria.** Michael CA, Ashenafi S, Ogbuanu IU, Ohuabunwo C, Sule A, Corkum M, Mackay S, Storms AD, Achari P, Biya O, Nguku P, Newberry D, Bwaka A, Mahoney F; OPV Campaign Missed Children Study Team. J Infect Dis. 2014 Nov 1;210 Suppl 1:S131-5. [Link](#).
12. **An assessment of the reasons for oral poliovirus vaccine refusals in northern Nigeria.** Michael CA, Ogbuanu IU, Storms AD, Ohuabunwo CJ, Corkum M, Ashenafi S, Achari P, Biya O, Nguku P, Mahoney F; NSTOP OPV Refusal Study Team. J Infect Dis. 2014 Nov 1;210 Suppl 1:S125-30. [Link](#)
13. **Progress toward poliomyelitis eradication in Nigeria.** Ado JM, Etsano A, Shuaib F, Damisa E, Mkanda P, Gasasira A, Banda R, Korir C, Johnson T, Dieng B, Corkum M, Enemaku O, Mataruse N, Ohuabunwo C, Baig S, Galway M, Seaman V, Wiesen E, Vertefeuille J, Ogbuanu IU, Armstrong G, Mahoney FJ. J Infect Dis. 2014 Nov 1;210 Suppl 1:S40-9. [Link](#). PMID: 25316862.
14. **Outreach to underserved communities in northern Nigeria, 2012-2013.** Gidado SO, Ohuabunwo C, Nguku PM, Ogbuanu IU, Waziri NE, Biya O, Wiesen ES, Mba-Jonas A, Vertefeuille J, Oyemakinde A, Nwanyanwu O, Lawal N, Mahmud M, Nasidi A, Mahoney FJ; N-STOP Outreach Team. J Infect Dis. 2014 Nov 1;210 Suppl 1:S118-24. [Link](#)
15. **Polio eradication in Nigeria and the role of the National Stop Transmission of Polio program, 2012-2013.** Waziri NE, Ohuabunwo CJ, Nguku PM, Ogbuanu IU, Gidado S, Biya O, Wiesen ES, Vertefeuille J, Townes D, Oyemakinde A, Nwanyanwu O, Gassasira A, Mkanda P, Muhammad AJ, Elmoussaad HA, Nasidi A, Mahoney FJ. J Infect Dis. 2014 Nov 1;210 Suppl 1:S111-7. Review. PMID: 25316824. [Link](#)
16. **Maternal, Fetal, and Neonatal Outcomes Associated With Measles During Pregnancy: Namibia, 2009–2010.** Ogbuanu IU, Zeko, S, Chu, S. Y., Muroua, C., Gerber, S., De Wee, R., Kretsinger, K., Wannemuehler, K., Gerndt, K., Allies, M., Sandhu, H.S., Goodson, J.L. Clinical Infectious Diseases Advance Access published February 19, 2014. [Link](#)

17. **Polio Field Census and Vaccination of Underserved Populations — Northern Nigeria, 2012–2013.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2013; 62:663-5. Corresponding author. [Link](#)
18. **Implementation of Non-Pharmaceutical Interventions by New York City Public Schools to Prevent 2009 Influenza A.** Agolory SG, Barbot O, Averhoff F, Weiss D, Wilson E, Egger J, Miller J, Ogbuanu I, Walton S, Kahn. 2013 PLoS ONE 8(1): e50916. [Link](#)
19. **Progress Toward Global Polio Eradication — Africa, 2011.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2012; 61:190-4. Co-author. [Link](#)
20. **Progress Toward Interruption of Wild Poliovirus Transmission — Worldwide, January 2011–March 2012.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2012; 61:353-8. Co-author. [Link](#)
21. **Tracking Progress Toward Global Polio Eradication, 2010–2011.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2012; 61:265-9. Co-author. [Link](#)
22. **Impact of a Third Dose of Measles-Mumps-Rubella Vaccine on a Mumps Outbreak.** Ogbuanu IU, Kutty PK, Hudson JM, Blog D, Abedi GR, Goodell S, Lawler J, McLean HQ, Pollock L, Rausch-Phung E, Schulte C, Valure B, Armstrong GL, Gallagher K. Pediatrics. 2012 Nov 5. [Epub ahead of print] PMID:23129075. [Link](#)
23. **Adverse events following a third dose of measles, mumps, and rubella vaccine in a mumps outbreak.** Vaccine. Abedi GR, Mutuc JD, Lawler J, Leroy ZC, Hudson JM, Blog DS, Schulte CR, Rausch-Phung E, Ogbuanu IU, Gallagher K, Kutty PK. 2012 Oct 3. [Epub ahead of print] PMID:23041123. [Link](#)
24. **Predictors of time to enter medical care after a new HIV diagnosis: a statewide population-based study.** AIDS Care. Tripathi A, Gardner LI, Ogbuanu I, Youmans E, Stephens T, Gibson JJ, Duffus WA. 2011 Nov; 23(11):1366-73. Epub 2011 Jun 21. [Link](#)
25. **Tracking Progress Toward Global Polio Eradication — Worldwide, 2009–2010.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2011; 60:441-5. Lead author. [Link](#)
26. **Increased Transmission and Outbreaks of Measles — European Region, 2011.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2011; 60:1605-10. Co-author. [Link](#)
27. **Progress Toward Interruption of Wild Poliovirus Transmission — Worldwide, January 2010–March 2011.** Centers for Disease Control and Prevention Morbidity and Mortality Weekly Review (MMWR) 2011;60:582-6. Lead author. [Link](#)
28. **Update: Mumps Outbreak — New York and New Jersey, June 2009–January 2010.** Centers for Disease Control and Prevention. Morbidity and Mortality Weekly Review (MMWR) 2010;59:125-129. Co-author. [Link](#) and [Link](#)
29. **Birth order modifies the effect of IL13 gene polymorphisms on serum IgE at age 10 and skin prick test at ages 4, 10 and 18: a prospective birth cohort study.** Ogbuanu IU, Karmaus W, Zhang H, Sabo-Attwood T, Ewart S, Roberts G, Arshad SH. Allergy Asthma Clin Immunol. 2010 Apr 20;6(1):6. [Link](#)
30. **Prevention Counseling for HIV-Infected Persons: What Every Clinician Needs to Know.** Duffus WA, Ogbuanu IU. Invited review paper: Current Infectious Disease Reports. 2009 Jul;11(4):319-26. PMID: 19545502. [Link](#)
31. **Can we apply Mendelian randomization without considering epigenetic effects?** Ogbuanu IU, Karmaus W, Zhang H. Emerging Themes in Epidemiology. 2009 May 11;6:3. [Link](#)
32. **Breastfeeding duration and lung function at age 10, by maternal history of asthma and allergy: a prospective birth cohort study.** Ogbuanu IU, Karmaus W, Arshad SH, Kurukulaaratchy RJ, Ewart S. Thorax. 2009 Jan;64(1):62-6. Epub 2008 Nov 10. Press Release and Online First: Thorax. See text and press release at: [Link](#) and [Link](#) and [Link](#)
33. **Long-term effects of breastfeeding, maternal smoking during pregnancy, and recurrent lower respiratory tract infections on asthma in children.** Karmaus W, Dobai AL, Ogbuanu IU, Arshad SH, Matthews S, Ewart S. Journal of Asthma. 2008 Oct; 45(8): 688-95. [Link](#)

34. **Polymorphisms in the GATA3 Gene are Associated with Immune Markers after Controlling for IL13.** Ogbuanu IU, Karmaus W, Ewart S, Huebner M, Arshad SH. *Journal of Allergy & Clinical Immunology*. 2008 Feb; 121 (2), Supp 1: S206; [Link](#)
35. **Epidemiologic Characterization of Individuals Diagnosed with new HIV Infection in South Carolina, May 2004 to April 2005.** Ogbuanu IU, Torres ME, Kettinger L, Albrecht H, Duffus WA. *American Journal of Public Health*. 2009 Apr;99 Suppl 1:S111-7. Epub 2007 Nov 29. [Link](#)
36. BOOK CHAPTER: **Nigeria: Policymaking and Administrative Systems in the Health Care Sector.** Kalu K, Ogbuanu CA, Ogbuanu IU. In: Johnson JA, Stoskopf C. Editors, *Comparative Health Systems: Global Perspectives for the 21st Century*. Sudbury, Massachusetts: Jones and Bartlett Publishers, Inc. ISBN: 9780763753795. [Link](#)

Selected relevant awards, fellowships and recognitions (*Full list available on request*)

- Winner, the 2019 Gerry Sue Arnold Alumni Award –*“for the alumnus whose work has both made a difference to the public health profession and in the health of an identified community or population”*
- Excellence in Public Health Service – (Diane Caves Public Health Service Award) - For an individual who serves as an ambassador for public health by collaboratively reaching across boundaries and serves as an inspiration and role model for others in the public health community.
- Excellence in Frontline Public Health Service Award (2012 and 2015) – US-CDC.
- Award for Excellence in Public Health Protection for *“innovatively and rapidly responding to mumps outbreaks throughout the United States”* (2010) – US-CDC.
- Honorary Member, the American Association for the Advancement of Science (AAAS) - *“Program for Excellence in Science”* (2010).
- Doctoral Achievement Award (2009), *“for outstanding academic performance, leadership and service”* in the Arnold School of Public Health, University of South Carolina (USC), Columbia. [Link](#)
- Outstanding Epidemiology Student (2008/2009 session) – USC, Columbia.
- Inductee, Delta Omega Honorary Society in Public Health, Mu Chapter (May 2009). [Link](#)
- Member with the Highest Honor, North America Scholar Consortium Honor Society (2009); Golden Key International Honor Society, 2008; and the National Scholars Honor Society, 2008.
- Norman J. Arnold School of Public Health Fellowship Award (Arnold Doctoral Fellow): 2007 – 2009.
- Michael D. Jarrett Scholarship Award in Recognition of Leadership Potential in Public Health Administration, 2005-2006 (MPH), University of South Carolina, Columbia.
- World Bank Scholar (MPH, 2004 - 2006), University of South Carolina, Columbia.
- Best Graduating Student in Medicine (1998) – University of Nigeria, Nsukka.
- Best Graduating Student in Pharmacology & Therapeutics – University of Nigeria, Nsukka.
- Shell Petroleum BP Scholar (Medical School, 1994 - 1998) – University of Nigeria, Nsukka.
- Distinction Recipient in Anatomy (Medical School, 1994) – University of Nigeria, Nsukka.

Recent Presentations

- Emory University; faculty and students: Hubert Department of Global Health; **Global Health Seminar Series; High-Resolution Mortality Surveillance in Sierra Leone: The Experience of CHAMPS before and during the COVID-19 pandemic**; October 28, 2020; View at this [link](#) and [here](#);
- Health NGO Network, Sierra Leone: Bi-weekly seminar series; *Mortality Surveillance: The CHAMPS Experience: Pre- & Intra- Covid-19*; July 7, 2020;

Personal interests

Candid and nature photography; reading (motivational and non-fiction); teaching and mentoring; assistance to the less-privileged.