

Oluwasegun Akinyemi, MD, MSc, PhD, FMCOG

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Professional Summary

Fellow of the National Postgraduate Medical College of Nigeria (FMCOG) in Obstetrics and Gynecology and health services researcher with over a decade of clinical and research experience in maternal and women's health. Expertise includes designing and leading epidemiologic and outcomes research using large national datasets (e.g., National Center for Health Statistics natality files, Surveillance, Epidemiology, and End Results program, Healthcare Cost and Utilization Project), managing cross-institutional research portfolios, and translating evidence into policy-relevant insights. Author or co-author of more than 50 peer-reviewed publications with an **h-index of 12 (i10-index of 14)** and **more than 350 citations**, and recipient of multiple national and international research awards. Dedicated educator, mentor, and lifelong learner committed to advancing population health and reducing disparities for underserved populations through rigorous, data-driven research. Seeking a **research faculty appointment** at the **associate professor level** (with consideration for assistant professor) within a school of public health or medicine, in a collaborative environment that encourages methodological innovation, career development, mentorship, and scholarly growth.

Education

- **Doctor of Philosophy (PhD), Health Services Research**, University of Maryland School of Public Health, College Park, MD (May 2025)
 - Dissertation: *Variation of metabolic and bariatric surgery utilization by neighborhood socioeconomic status in Maryland*. <https://doi.org/10.1371/journal.pone.0330318>
 - Research focused on health disparities, maternal health, and health policy.
- **Master of Science (MSc), Public Health**, Western Illinois University, Macomb, IL (January 2020)

- Dissertation: *Impact of Obesity on College Student Academic Performance: A Comparison Between the United States and Nigeria*. <https://bcphr.org/63-article-akinyemi/>
- Concentration in epidemiology and global health.
- **Bachelor of Medicine, Bachelor of Surgery (MBChB)**, Obafemi Awolowo University, Ile-Ife, Nigeria (February 2007)

Academic & Research Experience

- **Senior Research Fellow & Outcomes Researcher**, Department of Surgery, Howard University College of Medicine, Washington, DC (May 2020 – Present)
 - Lead and oversee clinical and health services research projects focused on maternal and women's health, disparities, and health policy.
 - Design and conduct observational studies using large national data sources (e.g., National Center for Health Statistics natality files, Surveillance, Epidemiology, and End Results program, Healthcare Cost and Utilization Project); apply multivariable regression, survival analysis, and causal inference methods.
 - Prepare grant proposals, manuscripts, and conference abstracts; manage research portfolios and supervise data analysts and trainees.
 - Serve as the **instructor** for the four-week *Principles of Outcomes Research* elective, teaching research design, biostatistics, outcomes measurement, and ethical considerations.
 - Collaborate with investigators from Johns Hopkins, Harvard Medical School, and other institutions to translate findings into recommendations for clinical practice and policy.
- **Graduate Research Assistant**, University of Maryland School of Public Health, College Park, MD (August 2022 – August 2023)
 - Assisted in course delivery and curriculum development for graduate-level public health courses.
 - Conducted statistical analyses and prepared research reports on health policy and epidemiologic topics.

- **Graduate Research Assistant**, Western Illinois University, Macomb, IL (March 2019 – April 2020)
 - Supported faculty research projects in public health, performing data management, literature reviews, and statistical analyses.
 - Presented findings at university symposia and regional conferences.

Teaching Experience

- **Lead Instructor, Principles of Outcomes Research**, Howard University College of Medicine
Designed and delivered a four-week elective covering research design, biostatistics, outcomes measurement, and ethical principles. Developed course materials and assessments, and mentored students and residents on research projects and scientific writing.
- **Teaching Assistant**, University of Maryland School of Public Health
Delivered lectures and facilitated discussions on epidemiologic methods, health disparities, and policy analysis; contributed to curriculum development and student evaluation.
- **Resident Trainer & Mentor**, Ekiti State University Teaching Hospital
Supervised junior residents during clinical rotations; provided bedside teaching, case presentations, and feedback; participated in simulation training and morbidity/mortality conferences.

Clinical Training

- **Residency in Obstetrics & Gynecology**, Ekiti State University Teaching Hospital, Ado-Ekiti, Nigeria (January 2012 – May 2017)
Completed comprehensive residency training in obstetrics and gynecology, including antenatal, intrapartum and postpartum care; management of high-risk pregnancies and gynecologic disorders; and surgical procedures (caesarean section, hysterectomy, operative deliveries). Supervised junior residents and implemented quality-improvement

initiatives.

- **Consultant Obstetrician & Gynecologist**, Ekiti State University Teaching Hospital, Ado-Ekiti, Nigeria (September 2017 – December 2017)
Provided comprehensive obstetric and gynecologic care, supervised residents, and improved maternal health protocols in a resource-limited setting.

Selected Publications & Presentations

Author or co-author of more than 50 peer-reviewed articles focusing on health disparities, cancer outcomes, maternal health, and health services research. Publications have been cited more than **350 times**. A full list of publications is available on PubMed (<https://pubmed.ncbi.nlm.nih.gov/?term=OLUWASEGUN+AKINYEMI>). Selected recent publications include:

1. **Akinyemi OA, Weldeslase TA, Fasokun M, et al.** The impact of the Affordable Care Act on access to bariatric surgery in Maryland. *Am J Surg.* 2024;235:115609. doi:10.1016/j.amjsurg.2023.12.021.
2. **Akinyemi O, Abdulrazaq W, Fasokun M, et al.** The impact of loneliness on depression, mental health, and physical well-being. *PLoS One.* 2025;20(7):e0319311. Published 2025 Jul 9. doi:10.1371/journal.pone.0319311.
3. **Akinyemi O, Weldeslase T, Odusanya E, et al.** Neighborhood socioeconomic deprivation does not appear to influence selection for lower extremity revascularization versus amputation in Maryland. *Ann Vasc Surg.* Published online September 23 2025. doi:10.1016/j.avsg.2025.09.038.
4. **Akinyemi O, Fullum T, Fasokun M, et al.** Variation of metabolic and bariatric surgery utilization by neighborhood socioeconomic status in Maryland. *PLoS One.* 2025;20(11):e0330318. Published 2025 Nov 10. doi:10.1371/journal.pone.0330318.
5. **Akinyemi O, Oyebanji O, Fasokun M, et al.** Medicaid expansion and overall mortality among women with breast cancer. *JAMA Netw Open.* Published online January 27 2026. doi:10.1001/jamanetworkopen.2025.54512.

Presented work at national and international conferences, including the International Federation of Obstetrics and Gynecology, American Diabetes Association Scientific Sessions, AcademyHealth Annual Research Meeting, Southeast Surgical Congress, and Royal College of Obstetricians and Gynaecologists World Congress, receiving numerous poster and oral presentation awards.

Awards & Honors

- **Doctoral Student Rising Star Award** (2025), International Social Epidemiology Society.
- **Poster Award**, Delta Omega Public Health Honorary Society.
- **First Place Gold Medal Award**, 2024 Southeast Surgical Congress.
- **First Place Poster Presentation**, 2023 Drew Walker Symposium.
- **Second Place Oral Presentation**, 2022 Drew Walker Symposium.
- **Third Place Research Presentation**, 2020 Western Illinois University Graduate Research Day.

Skills & Expertise

- **Research & Data Analysis:** Multivariable regression, survival analysis, causal inference, health services research methods, program evaluation.
- **Software:** Stata, R, SAS, SPSS, Microsoft Office Suite.
- **Clinical Expertise:** Obstetrics and gynecology, maternal health, global women's health, underserved populations.
- **Teaching & Mentoring:** Curriculum development, classroom and online instruction, student mentoring and advising.
- **Grant & Manuscript Writing:** Experience preparing NIH and foundation grant proposals, peer-reviewed manuscripts, and technical reports.
- **Collaboration & Leadership:** Skilled in cross-functional collaboration with clinicians, statisticians, policymakers, and industry partners; ability to lead research teams and manage projects.

Professional Interests

Research interests focus on maternal and women's health, health services and outcomes research, and the role of health policy in addressing disparities in care delivery and outcomes. Committed to advancing health for underserved populations through rigorous research, program evaluation, and translation of evidence into practice and policy. Seeking a **research-focused faculty appointment** in a school of public health or medicine, and open to leadership roles in public-sector population health analytics and program evaluation.