

IFECHUKWU BENEDICT NWOGU, MPH

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PROFESSIONAL SUMMARY

Health economics researcher and pharmacist completing a PhD in Health Economics & Outcomes Research at the University of Washington (GPA: 3.91/4.00). Supported successful grant applications totalling over \$2M; published 7 peer-reviewed manuscripts in high-impact journals, including *The Lancet HIV*; informed WHO PrEP implementation guidelines through mathematical modelling of HIV self-testing. Expertise in real-world evidence analysis, comparative effectiveness research, economic modeling, equity research, and strategy consulting. Proficient in R, SQL, STATA, REDCap, and advanced statistical methods.

EDUCATION

Doctor of Philosophy (Ph.D.), Health Economics & Outcomes Research Sep 2021 – Jun 2026 (exp.)

The University of Washington, Seattle, WA | GPA: 3.91/4.00

Dissertation: Comparative Evaluation of Advanced Prostate Cancer Therapies

Master of Public Health (MPH), Global Health

Sep 2018 – Sep 2019

The University of Nottingham, United Kingdom | GPA: 3.85/4.00

Dissertation: Economic Evaluation of Meningococcal B (MenB) Vaccines: A Systematic Review

Bachelor of Pharmacy (BPharm)

Sep 2011 – Nov 2016

The University of Lagos, Nigeria | GPA: 3.91/4.00 | Graduated 2nd in Class (Salutatorian)

Dissertation: Factors Affecting Adherence to Oral Hypoglycemic Agents in Type 2 Diabetes Patients

PROFESSIONAL EXPERIENCE

HEOR Analyst | Neurocrine Biosciences, San Diego, CA

Apr 2024 – Present

- Manage vendor relationships and project deliverables for 5 HEOR/RWE projects across 3 external consulting firms, completing all work streams ahead of schedule
- Execute programming for sophisticated economic models analyzing tardive dyskinesia treatments using real-world evidence from 500,000+ patient claims database
- Develop comprehensive study protocols, statistical analysis plans and programming documentation supporting 3 peer-reviewed publications in value demonstration
- Conduct quality control reviews, identifying and resolving 95% of data integrity issues before final analyses, ensuring regulatory compliance
- Synthesize clinical and economic evidence to support a \$200K+ business justification for strategic expert consultant engagements with hepatic impairment specialists

Summer HEOR Intern | BioLineRx, Massachusetts

Jun – Sep 2023

- Synthesized evidence across 45+ clinical and economic studies to develop pricing strategy and value proposition supporting Aphexda® (Motixafortide) product launch
- Validated cost-effectiveness model, achieving 30% improvement in economic value estimate for stem cell mobilization in multiple myeloma
- Co-developed an efficiency model quantifying 25% reduction in mobilization failures and 40% decrease in apheresis sessions compared to standard of care
- Delivered 3 strategic recommendations for post-launch real-world evidence studies projected to generate \$5M+ in additional market access value

Summer HEOR Intern | Agios Pharmaceuticals, Massachusetts

Jun – Aug 2022

- Conducted HTA surveillance across 5 international markets and systematic literature review of 200+ real-world evidence studies for thalassemia and sickle cell disease
- Built budget impact models estimating \$50M 5-year US market impact and burden of disease models quantifying 15,000+ annual transfusion-dependent patients

- Collaborated with cross-functional teams (Medical Affairs, Clinical Development, Market Access, Regulatory) to align evidence generation strategy with \$100M+ product development goals

Business Development Associate | Advantage Health Africa, Lagos, Nigeria Feb – Aug 2021

- Drafted and secured \$250K+ in grant funding through successful applications to the Bayer Women Empowerment Award and Google Black Founders Fund
- Led business development initiatives resulting in 5 strategic partnerships with health maintenance organizations, telemedicine companies, and healthcare institutions, expanding market reach by 40%
- Managed partner operations and onboarding processes, improving drug access and distribution efficiency for 10,000+ patients across Lagos

Community Pharmacist | Biotrust Pharmacy, Lagos, Nigeria Jan 2017 – Aug 2018

- Optimized pharmaceutical operations, increasing daily sales volume by 30% within 2 months through strategic inventory management and sales analytics
- Developed pharmaceutical care plans for 500+ patients, conducting medication reviews and providing counseling on rational drug use and family planning
- Performed 1,000+ routine health screenings (blood pressure, glucose, BMI) and delivered lifestyle modification counseling to improve patient outcomes

Hospital Pharmacist | National Orthopedic Hospital, Lagos, Nigeria Jul 2017 – Jul 2018

- Participated in interdisciplinary ward rounds serving 200+ inpatients monthly, providing critical drug information and clinical interventions to healthcare teams
- Identified, documented, and reported 50+ adverse drug reactions to regulatory agencies, ensuring patient safety and medication surveillance
- Developed comprehensive pharmaceutical care plans with regular follow-ups and compounded extemporaneous preparations for pediatric patients

RESEARCH EXPERIENCE

Research Associate | Department of Pharmacy, University of Washington Dec 2023 – Jun 2024

Project: Pharmacist-Initiated HIV PrEP Laws in the United States

- Conducted a comprehensive literature review characterizing pharmacists' scope of practice across 50 states for PrEP prescribing authority
- Managed legal coding and policy content extraction for 25+ state-level pharmacist-initiated HIV PrEP laws using systematic framework
- Analyzed statewide PrEP policy data and co-authored manuscript for journal publication examining regulatory barriers to access

Research Associate | Department of Pharmacy, University of Washington Sep 2022 – Jan 2024

Project: Community Pharmacist Epilepsy Services Program

- Built and maintained REDCap database managing 500+ patient encounters, performing monthly data quality assurance, achieving 99% accuracy rate
- Developed and executed comprehensive statistical analysis plan, supporting publication of 2 peer-reviewed manuscripts in high-impact pharmacy journals
- Supported PI administrative functions, including Data Safety and Monitoring Board participation, IRB reporting, and grant progress documentation

Research Associate | Department of Global Health, University of Washington Apr 2022 – Jun 2024

Project: HIV Self-testing for PrEP Delivery in Kenya

- Conducted systematic literature review, extracting cost parameters from 75+ studies to inform mathematical model for HIV prevention strategies
- Co-authored manuscript published in *The Lancet HIV*, demonstrating the impact of HIV self-testing on drug resistance and HIV outcomes
- Presented findings to the World Health Organization technical consultation, directly informing updated global PrEP delivery guidelines implemented in 110+ countries

Project: Facility-based Differentiated PrEP Care in Kenya

- Trained 30+ clinic staff on time-and-motion survey methodology, reducing study implementation timeline by 40% through streamlined data collection
- Performed micro-costing analysis quantifying healthcare resource utilization differences between intervention and standard care, identifying 35% cost savings

Research Associate | Department of Pharmacy, University of Washington

Oct 2021 – Jun 2022

Project: Performance-based Risk-sharing Database (PBRSD)

- Managed database administration for international risk-sharing agreements, processing 100+ user access requests, and maintaining data security protocols
- Conducted quarterly literature reviews identifying 50+ new risk-sharing arrangements globally, ensuring database comprehensiveness and currency

Independent Researcher | Global Health Focus, Nigeria

Apr 2021 – Dec 2025

- Conducted pharmaco-economic research focused on medicine access in developing countries, publishing 2 manuscripts in international peer-reviewed journals
- Performed literature reviews, data collection, and statistical analyses supporting policy recommendations for improving pharmaceutical access in Africa

PEER REVIEW EXPERIENCE

- **Peer Reviewer** | Value in Health – Reviewed manuscripts on health economics and outcomes research, providing critical assessment of methodology, analysis, and policy implications
- **Peer Reviewer** | Public Health Challenges – Evaluated manuscripts on global health challenges, assessing research quality, impact, and contribution to public health literature
- **Abstract Reviewer** | American Public Health Association (APHA) 2024 Annual Meeting – Reviewed and scored conference abstracts, evaluating scientific merit, methodology, and relevance to public health practice

SELECTED PUBLICATIONS

- Cox, S. N., Wu, L., Wittenauer, R., et al., including **Nwogu, I. B.** (2024). Impact of HIV self-testing for oral pre-exposure prophylaxis scale-up on drug resistance and HIV outcomes in western Kenya: a modelling study. *The Lancet HIV*, 11(3), e167-e175.
- Bacci, J. L., **Nwogu, I. B.**, et al. (2024). A community pharmacist intervention for people living with epilepsy. *Journal of the American Pharmacists Association*, 102275.
- Guignet, M., White, H. S., Novotny, E. J., **Nwogu, I. B.**, et al. (2024). Community Pharmacist-Centered training program improves confidence in delivering epilepsy care. *Epilepsy & Behavior*, 158, 109933.
- World Health Organization (WHO), with external contributors including **Nwogu, I. B.** (2022). Differentiated and simplified pre-exposure prophylaxis for HIV prevention: update to WHO implementation guidance. WHO Technical Brief.
- Adebisi, Y. A., **Nwogu, I. B.**, et al. (2022). Revisiting the issue of access to medicines in Africa: Challenges and recommendations. *Public Health Challenges*, 1(2), e9.
- **Nwogu, I. B.**, Jones, M., & Langley, T. (2021). Economic evaluation of meningococcal serogroup B (MenB) vaccines: A systematic review. *Vaccine*.
- Ben-Ajepe, T., **Nwogu, I. B.**, et al. (2021). Pharmaco-economics in Africa: needs, prospects, and challenges. *Journal of Pharmaceutical Policy and Practice*.

SELECTED CONFERENCE PRESENTATIONS

- **Nwogu, I.B.**, Kreif, N., Khan, H., Etzioni, R. Carlson, J.J. (2026). Real-world Comparative Effectiveness of Novel Doublet Therapies for Metastatic Hormone-Sensitive Prostate Cancer. Presented at ASCO GU 2026
- **Nwogu, I. B.**, Mangale, D., Mwangi, M., Sharma, M., & Mugwanya, K. K. (2024). Estimating the Cost and Efficiency of Differentiated Direct-to-Pharmacy PrEP Refill Model in Kenya. *Value in Health*, 27(6), S83. Presented at ISPOR Europe 2024.

- **Nwogu, I. B.**, Nedzesky, J., Carlson, J. J. (2023). Cost-effectiveness of adding darolutamide to docetaxel and androgen deprivation therapy in metastatic hormone-sensitive prostate cancer. Presented at ISPOR 2023 (Top 5% Finalist for Research Presentation Award).
- Cox, S. N., Wu, L., Wittenauer, R., **Nwogu, I. B.**, et al. (2023). Modeled impact of HIV self-testing for PrEP scale-up on drug resistance in Kenya. Presented at Conference on Retroviruses and Opportunistic Infections (CROI).
- Bacci, J., Guignet, G., Novotny, E., **Nwogu, I. B.** et al., (2023). Community Pharmacist-Centered Training Program Improves Confidence in Delivering Epilepsy Care. Presented at the American Epilepsy Society.
- Cox, S.N., Wu, L., Wittenauer, R., **Nwogu, I.B.**, et al. Five-Year Budget Impact of Community-Based HIV Testing Strategies of Oral Pre-exposure Prophylaxis Scale-up in Western Kenya: A Modeling Analysis. *Value in Health*, Volume 26, Issue 12. <https://doi.org/10.1016/j.jval.2023.09.600>. Presented at ISPOR Europe 2023.

LEADERSHIP & VOLUNTARY SERVICE

President, ISPOR-University of Washington Chapter Sep 2023 – Sep 2024

- Led chapter growth, achieving 45% membership increase (from 42 to 61 members) through strategic recruitment and engagement initiatives
- Established collaborative relationships with 8 ISPOR student chapters nationally, coordinating joint educational events and resource sharing

Co-Founder & Mentor, PharmGrad Nigeria Jul 2019 – Present

- Founded a pro bono mentorship initiative providing structured guidance to Nigerian-trained pharmacists pursuing international graduate education
- Mentored 70+ pharmacists achieving funded graduate school admissions to prestigious programs globally, with 90% success rate in securing full funding

Investment Analyst (Pro Bono), Wahala Ventures 2024 – Present

- Conduct market analysis and financial due diligence for early-stage healthcare and technology investments in African markets

HONORS & AWARDS

- Top 5% Finalist for Research Presentation Award, ISPOR 2023 (from 2,100+ abstract submissions)
- Outstanding Poster Presentation Award, USC ISPOR Student Chapter | March 2023
- CHOICE Ph.D. Fellowship, University of Washington School of Pharmacy (1 of 4 selected from 80 applicants) | 2020
- Developing Solutions Masters Scholarship, University of Nottingham, UK | 2018
- Award of Academic Excellence - Pharmaceutical Society of Nigeria | Oct 2017
- Salutatorian, Faculty of Pharmacy, University of Lagos (Ranked 2nd of 300 graduating students) | 2017
- Best Graduating Student, Department of Clinical Pharmacy & Pharmacology, University of Lagos, 2017
- First Prize Quiz Winner, Faculty of Pharmacy, University of Lagos | Sep 2016
- Most Intelligent Student - Dinner/Award Night, Pharmacy Graduating Class | Nov 2016
- Second Position - Pharmaceutical Society of Nigeria Annual Quiz competition | May 2016
- Dean's Award of Academic Excellence - Faculty of Pharmacy, University of Lagos | Mar 2015
- Undergraduate Endowment Scholarship - University of Lagos | 2012-2016
- AGBAMI/Chevron Medical Undergraduate Scholarship (Full tuition + living expenses) | 2011-2016

TECHNICAL SKILLS

Statistical Software: R, STATA, SAS, REDCap, SQL

Economic Modeling: Cost-effectiveness analysis, budget impact modeling, decision-analytic modeling, Markov models, Monte Carlo simulation

Statistical Methods: causal inference, propensity score weighting, survival analysis, regression modeling, gradient boosting machines, meta-analysis, systematic reviews

Productivity Tools: Microsoft Office Suite (Excel, Word, PowerPoint), Zotero, Mendeley, LaTeX

PROFESSIONAL MEMBERSHIPS

- American Society of Clinical Oncology (ASCO)
- International Society for Pharmacoeconomics & Outcomes Research (ISPOR)
- American Public Health Association (APHA)
- Royal Society for Public Health (RSPH)
- Pharmaceutical Society of Nigeria (PSN)

SHORT COURSES & CERTIFICATIONS

- CFA Level I Candidate Aug 2026
- Drug Commercialization | *University of California, San Diego* Jul 2020
- Supply Chain Logistics | *Rutgers University* May 2020
- An Entire MBA in one Course | *Udemy* May 2020
- Writing with Flair: How to Become an Exceptional Writer | *Udemy* May 2020
- The Data Scientist's Toolbox | *Johns Hopkins University* Mar 2020
- Health Financing for Universal Health Coverage (UHC) | *World Health Organization* Aug 2018
- Clinical Management of HIV | *University of Washington* Jun 2018
- Economic Evaluation in Global Health | *University of Washington* Sep 2018
- Leadership and Management in Health | *University of Washington* Dec 2018