

Edifofon Akpan

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Educational History

- PhD, Public Health Economics & Decision Science** *University of Sheffield, United Kingdom* Sep 2023 – Date
- Coursework: statistics for health economics, evidence synthesis, econometric methods, policy evaluation
 - Research: Health economics and modelling of targeted combined screening for multiple smoking-related Cancers among high-risk populations
- MPH, Health Economics/Economic Evaluation stream** *University of Melbourne, Australia* Mar 2020 – Dec 2021
- Coursework: foundations of public health, epidemiology, probability and distribution theory, regression analysis, survival analysis, health policy evaluation, health economics, economic evaluation
 - Dissertation: Cost-effectiveness of universal iron supplementation and iron-containing micronutrient powders for anaemia among young children in rural Bangladesh: analysis of a randomized, placebo-controlled trial
 - Weighted Average Mark: 89.3%, First Class Honours
- BPharm, Pharmacy** *University of Uyo, Nigeria* Jan 2009 – Oct 2014
- Coursework: biomedical sciences, clinical pharmacology, pharmaceuticals, natural medicine, public health
 - Grade Point Average: 4.3/5.0

Employment Positions

- Research Fellow** *University of Melbourne, Australia* Feb 2022 – Current
- Developing cost-effectiveness models in R and Excel for the economic evaluation of infectious disease interventions
 - Delivering tutorials and facilitating modules and seminars on methods in health economic evaluation and modelling
 - Preparing conference presentations, manuscripts, and drafting technical reports based on research findings
- Research Associate** *Helpman Development Institute, Nigeria* Jan 2023 – Aug 2023
- Overseeing institutional growth strategies and managing internal coordination for a team of over 25 staff members.
 - Developed and ran an eight-module population health sciences certificate program for seven staff members.
 - Reviewed research reports and manuscripts written by staff for publication
- Programs Director** *Centre for Health Economics and Development, Nigeria* Jan 2022 – Sep 2023
- Produced technical reports from projects for federal and state ministry of health, donors, and other clients.
 - Responsible for capability building of newly recruited graduate trainees for mid-level roles within the organization.
 - Managed projects implemented by about 20 staff.
- Programs Assistant** *Centre for Health Economics and Development, Nigeria* Jan 2018 – Jan 2020
- Conducted data analysis and reporting for national health accounts and household health expenditure surveys
 - Designed and prepared technical reports on on fiscal space and investment case models for health insurance schemes

Honours & Awards

- Four-year PhD Science Studentship *Wellcome Trust* 2023
- Funding for PhD at University of Sheffield; value ~ \$330,000 over four years
- Australia Awards Africa long-term awards *Australia Government* 2020
- Funding for MPH at University of Melbourne; value \$115,000 over two years
- Medical and engineering undergraduate scholarships *Chevron* 2011
- Funding for BPharm at University of Uyo; value \$5,900 over five years

Research Output

Mandrik O, Thomas C, **Akpan E**, Catto JWF, and Chilcott J (2025). Home Urine Dipstick Screening in High-Risk Populations in England: a Microsimulation Study of Long -Term Impact and Cost -Effectiveness. *PharmacoEconomics*. doi:[10.1007/s40273-024-01463-y](https://doi.org/10.1007/s40273-024-01463-y)

Akpan E, Thean LJ, Baskota R, Mani J, Mow M, Kama M, *et al* (2024). Costs of primary healthcare presentations and hospital admissions for scabies and related skin infections in Fiji, 2018-2019. *PLOS Glob Public Health*, 4(10), e0003706. doi:[10.1109/10.1371/journal.pgph.0003706](https://doi.org/10.1109/10.1371/journal.pgph.0003706)

Mishra SR, Wilson T, Andrabi H, Ouakrim D, Li A, **Akpan E**, *et al* (2023). The total health gains and cost savings of eradicating cold housing in Australia. *Soc Sci Med*. 334:115954. doi:[10.1016/j.socscimed.2023.115954](https://doi.org/10.1016/j.socscimed.2023.115954)

Le TP, Conway E, **Akpan E**, Abell I, Abraham P, Baker CM, *et al* (2023). Cost-effective boosting allocations in the post-Omicron era of COVID-19 management. *medRxiv* (Review at BMJ Global), 2023.11.14.23298536. doi:[10.1101/2023.11.14.23298536v1](https://doi.org/10.1101/2023.11.14.23298536v1)

Akpan E, Hossain SJ, Devine A, Braat S, Hasan MI, Tipu SMMU *et al* (2022). Cost-effectiveness of universal iron supplementation and iron-containing micronutrient powders for anemia among young children in rural Bangladesh: analysis of a randomized, placebo-controlled trial. *American J of Clin Nutr*, 116(5):1303–1313. doi:[10.1093/ajcn/nqac225](https://doi.org/10.1093/ajcn/nqac225)

Blakely T, Thompson J, Bablani L, Andersen P, Ait Ouakrim D, Carvalho N, Abraham P, Boujaoude MA, Katar A, **Akpan E**, Wilson N, & Stevenson M (2021). Association of Simulated COVID-19 Policy Responses for Social Restrictions and Lockdowns With Health-Adjusted Life-Years and Costs in Victoria, Australia. *JAMA Health Forum*, 2(7):e211749. doi:[10.1001/jamahealthforum.2021.1749](https://doi.org/10.1001/jamahealthforum.2021.1749)

Skills and Tools

Methods/techniques: Economic evaluation, microsimulation, evidence synthesis, survival analysis, cost analysis
Software/languages: R/RStudio, Stata, Excel Visual Basics for Applications, Markdown/Quarto, \LaTeX

Teaching Experience

Tutorials & Practicals ECN21007 Statistics & Econometrics <i>University of Sheffield</i>	2024
Tutorials & Practicals ECN120 Statistical Methods for Economics <i>University of Sheffield</i>	2024
Lectures & Grading SFP2024 Principles of Economic Evaluation <i>Sydani Group</i>	2024
Grading HAR675 Key Issues in Global Public Health <i>University of Sheffield</i>	2024
Lectures & Grading PHS512 Statistical Computing with R <i>Helpman Institute</i>	2023
Preparing Assessments POPH90093 Economic Evaluation I <i>University of Melbourne</i>	2023
Preparing Tutorials POPH90271 Infectious Diseases Modelling <i>University of Melbourne</i>	2022

Other Activities

- Volunteer Positions
- School Administrator at CityLife International Bible School, Sheffield: Responsible for recruitment, student registration, communication, engagement with speakers, and financial reporting.
- Professional Memberships
- Society for Medical Decision Making (Aug 2024 – Date)
 - International Health Economics Association (Jan 2022 – Date)