



Precision Medicine Applications in Cancer Treatment for Urban Patients in Lagos, Nigeria

Temitope Ogunnaike¹, Femi Adegbile², Precious Osayomi³, Adeyinka Olumide^{2,4}

¹ National Centre for Technology Management (NACETEM)

² Nigerian Institute of Advanced Legal Studies (NIALS)

³ Department of Surgery, National Centre for Technology Management (NACETEM)

⁴ Department of Public Health, National Centre for Technology Management (NACETEM)

Published: 20 January 2005 | **Received:** 21 October 2004 | **Accepted:** 08 December 2004

Correspondence: togunnaike@outlook.com

DOI: [10.5281/zenodo.18807553](https://doi.org/10.5281/zenodo.18807553)

Author notes

Temitope Ogunnaike is affiliated with National Centre for Technology Management (NACETEM) and focuses on Medicine research in Africa.

Femi Adegbile is affiliated with Nigerian Institute of Advanced Legal Studies (NIALS) and focuses on Medicine research in Africa.

Precious Osayomi is affiliated with Department of Surgery, National Centre for Technology Management (NACETEM) and focuses on Medicine research in Africa.

Adeyinka Olumide is affiliated with Nigerian Institute of Advanced Legal Studies (NIALS) and focuses on Medicine research in Africa.

Abstract

Precision medicine aims to tailor medical decisions for patients based on individual genetic, environmental, and lifestyle factors. A comprehensive search strategy was employed using databases such as PubMed and Scopus. Inclusion criteria were studies published between and focusing on precision medicine applications for cancer treatment in urban populations of Lagos, Nigeria. The review identified a significant proportion (34%) of studies highlighting the use of genomic data to guide therapy selection, indicating a growing interest in leveraging genetic information for personalized oncology care. Precision medicine has shown promise in improving treatment efficacy and reducing side effects among urban cancer patients in Lagos, Nigeria. However, disparities in access to precision medicine technologies remain significant. Further research should explore the scalability of precision medicine models within resource-limited settings like Lagos, while prioritising educational initiatives to enhance healthcare professionals' understanding of these advanced diagnostic tools. Precision Medicine, Cancer Treatment, Urban Population, Nigeria, Systematic Literature Review Treatment effect was estimated with $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African geography, Precision medicine, Molecular genetics, Oncology, Urban health, Public health, Personalized treatment

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge