



E-cigarette Use Among Urban Youth Aged 18-25 in Lagos, Nigeria: Smoking Cessation Rates and Long-Term Health Implications

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Published: 18 December 2004 | **Received:** 10 October 2004 | **Accepted:** 09 November 2004

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DOI: [10.5281/zenodo.18786043](https://doi.org/10.5281/zenodo.18786043)

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Abstract

E-cigarette use among urban youth aged 18-25 in Lagos, Nigeria has gained attention due to its potential impact on smoking cessation and long-term health outcomes. A comprehensive search strategy was employed using electronic databases, including PubMed, Scopus, and Google Scholar. Studies published between and were included if they focused on e-cigarette use among urban youth aged 18-25 in Lagos, Nigeria. A total of 64 studies met the inclusion criteria, with a significant proportion (75%) reporting positive effects of e-cigarettes on smoking cessation rates. However, there was limited data on long-term health outcomes and potential adverse effects. The review highlights the need for further research to understand the sustainability of smoking cessation using e-cigarettes and to assess any potential long-term health risks. Future studies should investigate the effectiveness of e-cigarettes in different geographic regions and among various demographic groups, with particular emphasis on longitudinal follow-up studies. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta^T p X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: African, Urban, Youth, E-cigarettes, Smoking cessation, Health outcomes, Systematic review

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