



# **Comparative Renal and Metabolic Outcomes of Tenofovir Disoproxil Fumarate and Tenofovir Alafenamide in Older South African Adults Living with HIV: A Systematic Review**

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## **Abstract**

This study addresses a current research gap in Medicine concerning The long-term renal and metabolic effects of tenofovir disoproxil fumarate versus tenofovir alafenamide in a cohort of older persons with HIV in South Africa in South Africa. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A structured review of relevant literature was conducted, with thematic synthesis of key findings. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. The long-term renal and metabolic effects of tenofovir disoproxil fumarate versus tenofovir alafenamide in a cohort of older persons with HIV in South Africa, South Africa, Africa, Medicine, review article This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

**Keywords:** *HIV, tenofovir disoproxil fumarate, tenofovir alafenamide, renal function, metabolic syndrome, sub-Saharan Africa, systematic review*

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