Understanding the Patterns of Spread of HIV/AIDS in Nigeria: A Systematic Review and Meta-Analysis of Primary Research Articles (Part 2)

Abstract

Objectives:
- To identify key themes/variables in HIV/AIDS epidemiology in Nigeria
- To highlight regional variations in HIV/AIDS epidemiology in Nigeria
- To identify common interventions for HIV/AIDS in Nigeria
- To provide information useful for research

Methods: Systematic review and meta-analysis of primary research articles from Nigeria.

Results: The HIV/AIDS epidemic in Nigeria is currently a mixed epidemic, perceived and understood differently across the country. Variables that shape the epidemiology include stigma, inaccurate knowledge about HIV/AIDS, cultural norms, religion, poor risk perception, poverty and the lack of a robust and well-organized response. Female gender (OR 1.95, 95% CI 1.27 to 3.02, p-value < 0.05) and history of sexually transmitted infections (OR 2.19, 95% CI 1.99 to 2.41, p-value < 0.05) were significantly associated with increased risk for HIV/AIDS.

Conclusion: There is a need for evidence-based and focused public policies as well as robust and comprehensive intervention approaches in Nigeria. HIV/AIDS research in Nigeria should also seek to unravel mechanisms through which risk factors work to produce increased HIV/AIDS prevalence.

List of included articles

[1-93] Other documents not available in this publication include a table of characteristics of included studies; a table of numerical data used in the meta-analyses; details of the quality assessment process; a table showing summary of main study findings and risk coding used for generating the word cloud. These documents, if needed, could be obtained from the authors.

Keywords: HIV/AIDS, Nigeria, Prevalence, Systematic review, risk factors, epidemiology

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Figure 3: Meta-analyses exploring risk of HIV/AIDS by gender (male vs female)
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Figure 4: Meta-analysis exploring risk of HIV/AIDS based on educational attainment

Figure 5: Meta-analysis exploring risk of HIV/AIDS based on age

Figure 6: Meta-analysis exploring risk of HIV/AIDS based on history of STDs

References


