



Universal Health Coverage and Maternal Mortality in South Africa: A Longitudinal Review Over Five Years

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Abstract

Universal Health Coverage (UHC) initiatives are crucial for improving health outcomes in South Africa, where maternal mortality remains a significant public health concern. A comprehensive search strategy was employed across multiple databases including PubMed and Web of Science, focusing on studies published from 2010 to 2015. Findings indicate a statistically significant decrease ($p < 0.05$) in maternal mortality rates by 12% over the five-year period, with UHC programmes playing a key role in this reduction. UHC interventions have contributed to improved health outcomes for women of reproductive age in South Africa. Further longitudinal studies should be conducted to assess long-term impacts and potential areas for improvement in UHC delivery mechanisms. 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, Maternal Mortality, Universal Health Coverage, Public Health, Epidemiology, Longitudinal Study, Health Inequality

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