



# Effectiveness Assessment of Mobile Health Screening Services Among Urban Women Farmers in Lagos, Nigeria

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## Abstract

This study examines the effectiveness of mobile health screening services among urban women farmers in Lagos, Nigeria, focusing on those with pre-natal care needs. A mixed-methods approach was employed, including quantitative surveys ( $N = 200$ )  $\wedge$  qualitative interviews with a purposive sample ( $n = 30$ ). Data were analysed using descriptive statistics for quantitative data and thematic analysis for qualitative insights. Findings indicate that women farmers who received mobile health screenings had a significant increase in prenatal check-ups from 45% to 72%, with a confidence interval of  $\pm 5\%$ . Themes emerging from interviews included improved access and trust in healthcare providers. Mobile health screening services significantly enhanced utilization of pre-natal care among urban women farmers, particularly those who are economically active and less frequently engaged with formal healthcare systems. Future interventions should focus on sustained engagement strategies to maintain service uptake and address identified barriers such as stigma and cost.

**Keywords:** *African Geography, Mobile Health Interventions, Pre-Natal Care, Quantitative Research, Qualitative Inquiry, Community-Based Screening, Urban Health Services*

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