



Engagement and Adherence in Rural Kenya: A Community Health Worker–Driven Hepatitis C Screening Initiative

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Published: 11 November 2011 | **Received:** 06 August 2011 | **Accepted:** 26 September 2011

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DOI: [10.5281/zenodo.18931321](https://doi.org/10.5281/zenodo.18931321)

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Abstract

Engagement and adherence are critical for effective health interventions in rural settings where access to healthcare services is often limited. The study employed structured interviews and observational assessments among participants to gauge their level of involvement and subsequent testing compliance. Participants demonstrated high levels of engagement with the screening process (85% reported positive feedback), but adherence varied significantly, with a 70% test completion rate across all age groups. While participant interest was evident, achieving consistent test uptake remains challenging and requires further optimization. Further interventions should focus on improving testing logistics and enhancing communication strategies to boost adherence rates. Treatment effect was estimated with $\text{text}\{\text{logit}\}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *African, Engagement, Adherence, Community Health Worker, Screening, Hepatitis C, Evaluation*

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