



**AC077**

**Adult Cardiology & Clinical Cardiovascular Medicine** • Poster Presentation

## **MOBILE AI-BASED CARDIOVASCULAR CLINIC: BRIDGING CARDIOVASCULAR HEALTH NEEDS IN CONFLICT-PRONE REGIONS**

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**Background** Artificial Intelligence Cardiovascular Clinic was a novel concept we introduced to reduce disparities in cardiovascular care among rural dwellers in our region through mass screening using AI-enabled imaging and direct specialist care.

**Aims** To determine how a mobile-based AI clinic can aid cardiovascular care delivery and strengthen primary healthcare in conflict-prone regions

**Method** The proposal is designed to be a health intervention for conflict-prone regions in Nigeria. A vehicle- or air-based clinic that delivers cardiovascular services using AI-enhanced tools to communities is proposed. Services will include AI-enabled chatbots, chest radiographs, AI-ECGs, AI-wearable devices with remote telemonitoring capabilities, cardiovascular health education, blood pressure checks and medications. Primary healthcare workers will be incorporated as the primary workforce and key links in patient monitoring.

**Discussion** We discuss the lessons learnt from our team's community-based AI-enabled cardiovascular screening and AI use in clinical cardiology. We propose a dynamic AI clinic model and how it can aid system strengthening in primary health care. We also highlight similar models in humanitarian aid and healthcare delivery for non-cardiovascular issues, as well as the possible weaknesses of this model. Finally, we discuss how AI can improve cardiovascular health literacy, self-care, reduce cardiovascular-related morbidities, and improve cardiovascular practice in primary health care, especially in conflict-prone areas.

**Conclusion** A dynamic clinic model may be a reliable means of delivering cardiovascular care in conflict-prone zones and aiding system strengthening in primary care.

**Keywords:** ? Artificial Intelligence ? Mobile clinic ? Conflict ? Primary care