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Title: Understanding the Role of AI-enabled Healthcare in the Global South

Abstract: Recent advances in Artificial Intelligence (AI) have increased the potential for AI applications to transform healthcare in the Global South. However, as researchers and technology companies rush in to develop AI applications that aid the health of marginalized communities, it is critical to consider the needs and perceptions of the community health workers (CHWs) who will integrate these AI applications into the essential healthcare services they provide to rural communities. This talk will begin by discussing a 3-month study evaluating health worker perceptions of AI in mobile health (mHealth) in low resource settings and the benefits and challenges that CHWs anticipate as AI applications are integrated into their workflows. This prior work reveals some implications of HCI and AI research in low-resource environments and highlights the need for guidelines outlining the proper use of AI in healthcare. The second part of this talk will focus on a proposed framework for evaluating patient response to the introduction of AI-enabled digital technologies in healthcare settings and will conclude by exploring the preliminary development of an mHealth app to improve the diagnosis of pediatric pneumonia in low-resource settings.