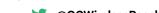# QUALCOMM® WIRELESS REACH™
IN SUB-SAHARAN AFRICA

Qualcomm believes access to advanced wireless technologies can improve people's lives. Wireless Reach is a strategic initiative that brings wireless technology to underserved communities globally. Wireless Reach invests in projects that foster entrepreneurship, aid in public safety, enhance the delivery of health care, enrich teaching and learning and improve environmental sustainability.

Formalized in 2006, Wireless Reach has grown to include over 100 projects in 40 countries. Wireless Reach collaborates with non-governmental organizations, universities, government institutions, nonprofits, development agencies and other private sector companies to develop projects which demonstrate innovative uses of Qualcomm technology for social and economic development.

CLINIPAK360 MOBILE HEALTH APPLICATION (NIGERIA)

Nigeria suffers extremely high maternal mortality rates at approximately 630 maternal deaths per 100,000 live births; in some Midwife Service Centers the number may be even higher at 1,000 deaths for every 100,000 live births. CliniPAK360, a collaboration between Wireless Reach, Etisalat Nigeria, InStrat Global Health Solutions, the Nigerian National Primary Health Care Development Agency, and Vecna Cares Charitable Trust provides midwives and frontline health care providers with 3G-enabled mobile devices to capture, analyze, and diagnose clinical conditions that lead to maternal and/or infant mortality, and continues to aim to dramatically decrease the number of deaths in these groups.

POWER OF mLEARNING (KENYA)

In 2003, primary school education in Kenya was made free for all and it became possible for unprecedented numbers of young Kenyans to enroll. Although the government has succeeded in getting pupils through the school doors, challenges such as teacher shortages, high levels of absenteeism among both students and teachers, and lack of textbooks and other educational resources all constrain provision of high quality education to all learners, particularly in public schools. Wireless Reach teamed up with BBOXX, eLimu Learning Company Ltd., Embakassi Garrison Primary School, and iHub Research to demonstrate how technology can provide solutions to these challenges. The project utilizes advanced wireless technologies to supplement traditional learning through a revision tool that delivers high quality, locally relevant educational content.

MOBILE HEALTH INFORMATION SYSTEM (SOUTH AFRICA)

Access to relevant health literature at the point of care can be a challenge, particularly in rural and remote health facilities. Suitably designed systems and mobile broadband technologies can help address this access-to-information challenge effectively. Wireless Reach teamed up with South Africa's Eastern Cape Department of Health, FHI 360, MTN South Africa, Nelson Mandela Metropolitan University, and South African Partners to provide nurses, doctors, and nursing students in several health facilities in the Eastern Cape Province with 3G wireless technology to access information on a Mobile Health Information System, thereby providing better care to their patients. With the help of the Mobile Health Information System — Internet-capable, commercially available smartphones and tablets pre-loaded with a locally relevant, reliable clinical library — nurses and doctors in rural communities are now able to access much needed information at the point of care.

STRENGTHENING THE ARV PHARMACEUTICAL MANAGEMENT SYSTEMS (KENYA)

HIV/AIDS is a major concern of Kenya's Ministry of Health; offering Antiretroviral Treatment (ART) is a key component of the government's strategy in reducing HIV/AIDS-related morbidity and mortality. Historically, ineffective pharmaceutical and patient records management compromised the delivery of ART for HIV/AIDS patients. Wireless Reach, RTI International, and the Nairobi Provincial Medical Office, part of the Ministry of Medical Services, along with other stakeholders, implemented a project aimed at reducing the administrative burden on health care workers and improving patient care by strengthening pharmaceutical management systems using advanced wireless technology.