



## KidzAlive Mobilized

### Leveraging Mobile Technology & Creative Storytelling to Enhance HIV Prevention, Care and Treatment for Children and Adolescents

Great strides have been made in the fight against HIV and AIDS globally. This is especially true in South Africa, which has the world's largest HIV treatment program. However, largely due to social and structural barriers, children and adolescents are still being left behind. The KidzAlive Mobilized program aims to help fill the gap. Using wireless technologies, the program trains healthcare workers and empowers HIV-exposed and -infected children and adolescents, and their primary caregivers, to overcome barriers that prevent children from receiving HIV testing and treatment and to set them on the path to a healthy future.

### Challenge

- HIV/AIDS remains one of the largest international public health crises. HIV exacts a significant socioeconomic toll, particularly in countries with a high burden of the disease.
- An estimated three million children and adolescents (0-19 years) were living with HIV in 2017, nearly nine in 10 (87 percent) of whom live in sub-Saharan Africa. According to the World Health Organization, 73 percent of these vulnerable populations in sub-Saharan Africa are not receiving life-saving treatment.
- Fear and stigma keep many HIV-exposed children and adolescents from being offered an HIV diagnostic test. Primary caregivers and healthcare workers (HCWs) are often afraid to have children tested because disclosing a positive result without the appropriate training and tools can be very traumatic for the adults and children alike.
- Evidence suggests that HCWs fail to provide young patients with HIV services, such as HIV Counseling and Testing (HTC), due to a lack of adequate knowledge, skills and confidence in dealing with children, adolescents and their primary caregivers on this topic.

## South Africa

### 2018 Statistics\*

Population  **55.3 million**

Life Expectancy  **64.1 years**

GDP Per Capita (2017 est.)  **US\$13,600**

Mobile Penetration  **157%**

### Solution

- The KidzAlive Mobilized program aligns with South Africa's 4th National Strategic Plan for HIV, TB and STIs 2017-2022. The plan prioritizes customized and targeted interventions to accelerate progress in reducing illness and death associated with HIV, TB and STIs among all key and vulnerable populations, including children and adolescents.
- The KidzAlive Talk tool, originally a paper-based HTC tool developed by Zoë-Life and widely used by the National

Department of Health and community-based organizations, has been adapted into the KidzAlive Talk Tool App.

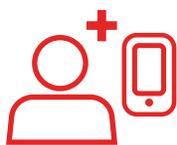
- The Talk Tool App is a job-aid, empowering HCWs to provide age-appropriate HIV education to children, adolescents and their primary caregivers. It helps ensure that children who are HIV-negative stay negative and that those who are HIV-positive are supported to lead healthy lives.

\*Sources: CIA World Factbook (<https://www.cia.gov/library/publications/the-world-factbook/>); US Census Bureau (<https://www.census.gov/popclock/>); Mobile penetration data provided by Ovum World Cellular Information Service and based on market intelligence.

- Through the App, children learn the heartwarming story of an animated frog, Sibusiso, as he discovers in a fun and non-threatening way his HIV status and the importance of adhering to his treatment. The App also features interactive games which keep the children focused and engaged throughout the counseling session.
- In a pilot study, 33 HCWs at private- and government-healthcare facilities in 11 sites in Gauteng and KwaZulu-Natal were provided

Qualcomm Snapdragon™-enabled Lenovo Tab 4 10 tablets loaded with the Talk Tool App, as well as ongoing training and mentoring on their use. The HCWs used the App to provide age-appropriate HTC, status disclosure and health education to children and adolescents and their primary caregivers at clinics, during home visits and in early childhood development centers.

## Impact



### Improvement in Provider Confidence

After receiving training on the App, HCWs in the pilot study experienced a 62 percent increase in confidence and competence in providing age-appropriate, children-centered counseling, disclosure and care for HIV-exposed and -infected children.



### Increased Uptake of HIV Testing

Primary caregivers participating in the pilot study were more willing to give consent for their children and adolescents to receive HIV testing and counseling.



### Retention of Information

The interactive games offered on the App increase children's retention of information and leads to a safer, more positive understanding of their HIV status.



### Effective Identification of HIV-Positive Patients

In the pilot study, 280 children and adolescents were provided HIV testing and counseling via the App. Seven percent of these patients were identified as HIV-positive, far exceeding the national average of two percent.



### Strengthened Access to Treatment & Care

100 percent of children and adolescents who tested positive in the pilot were referred to a clinic for HIV care and treatment services.

## Program Stakeholders



February 14, 2019

### Qualcomm® Wireless Reach™

Qualcomm believes access to advanced wireless technologies can improve people's lives. Qualcomm Wireless Reach is a strategic initiative that brings wireless technology to underserved communities globally. For the last ten years, Wireless Reach has invested in programs that foster entrepreneurship, aid in public safety, enhance the delivery of health care, enrich teaching and learning and improve environmental sustainability, impacting over 15 million beneficiaries.