

Motivating HIV testing uptake through online risk assessments among key populations in Namibia

Abrahim Simmonds¹, Suraj Chaudhary², Kayla Stankevitz², Christa Fischer Walker²
Benjamin Eveslage², Isabel Mendes-Siyamba³

poster ID# WEPEE501

BACKGROUND

QuickRes is a web application developed by FHI 360 and deployed across 22 countries. In 2020, it was introduced in Namibia by IntraHealth Namibia through the Key Populations Strengthening Technical Assistance Response (KP-STAR) project, funded by USAID. The primary aim of KP-STAR is to enhance HIV prevention strategies for key populations (KPs) and scale up innovative, evidence-based approaches to decrease HIV incidence and alleviate its impact.¹

QuickRes includes an optional, self-guided online risk assessment (RA) tool designed to adapt based on user inputs.² The initial step in the RA requires users to meet the age eligibility criteria to proceed. This tool then generates personalized health service recommendations based on each user's risk profile and service history. In Namibia, these services include HIV self-testing (HIVST), HIV testing services (HTS), antiretroviral therapy (ART), and

pre-exposure prophylaxis (PrEP). Clients on PrEP and ART can continue using QuickRes for appointment scheduling and virtual case management, facilitating ongoing support and medication refills.

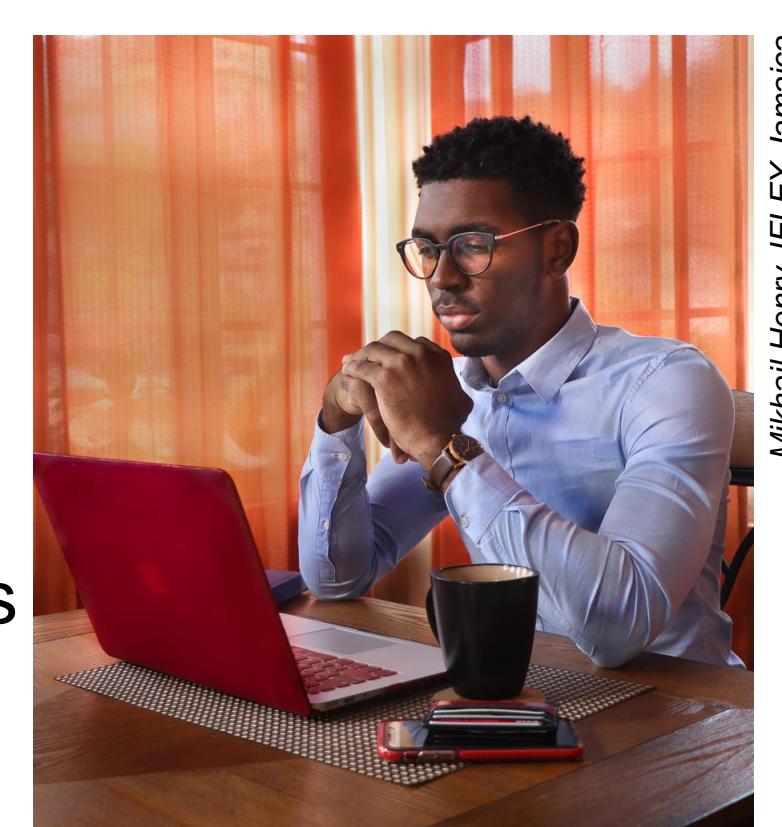
On the operational side, staff in outreach, clinics, and case management can track client visits and report the specific services provided or referred. Short message service (SMS) reminders are sent to clients about appointments, and a satisfaction survey link is delivered at the end of each session.

QuickRes is promoted in Namibia through online peer referrals and organic social media outreach³ with unique tracking links known as tokens that help with analyzing audience engagement and entry points. These efforts are supported by IntraHealth Namibia, Walvis Bay Corridor Group, and several KP-led civil society organizations, including Rights not Rescue Trust, Rights for All Movements, and Wings to Transcend Namibia Trust.

LESSONS LEARNED / RESULTS

The total number of appointments recorded in the Namibia dataset is 16,867, spanning from October 1, 2020, to September 30, 2023. Of these, 6,134 (36.4%) clients underwent a risk assessment prior to making an appointment, with an 81% arrival rate. In contrast, clients who did not take a risk assessment exhibited a 73% arrival rate.

Further analysis showed that individuals who completed the online RA had 1.56 times the odds of attending appointments ($p<0.001$). Generally, MSM were more likely to attend, with 1.84 times the odds compared to other groups ($p<0.001$). The odds of attending appointments increased by 0.77% per year of age ($p<0.001$), and men were less likely to attend compared to women, with 0.78 times the odds ($p=0.002$).



An online outreach worker using an Online Reservation App (ORA) like QuickRes to manage appointments in Jamaica

Individuals who had not undergone HIV testing in the past three months had 1.41 times the odds of attending their appointments ($p<0.001$). Additionally, in the RA questionnaire, users report activities that elevate their HIV/STI risk exposure. Data reveals probability of arriving for appointment decreases with higher risk assessment score ($p<0.001$): attendance rates are 90% for those reporting no risks, 79% for those with 1-3 risks, and 74% for those with 4 or more risks reported.

FIGURE 1. Adjusted Odds Ratios for Factors Influencing HIV Service uptake



REFERENCES:

- 1 IntraHealth Namibia. KP-STAR [Internet]. Available from: <https://www.intrahealthnamibia.org/kp-star#:~:text=Funded%20by%20USAID%2C%20the%20KP, and%20vulnerable%20populations%20in%20Namibia>.
2. FHI 360. QuickRes technical guide [Internet]. 2021. Available from: <https://www.fhi360.org/wp-content/uploads/drupal/documents/resource-quickres-technical-guide-march-2021.pdf>
3. FHI 360. Social Network Outreach - For HIV Programs Reaching At-Risk Populations Online. Washington, D.C.: FHI 360, LINKAGES Project; 2019.

AFFILIATIONS

- ¹ FHI 360, Jamaica
- ² FHI 360, USA
- ³ IntraHealth Namibia, Namibia

CONTACT INFORMATION

Ben Eveslage, Associate Director, Technical / BEveslage@fhi360.org

ACKNOWLEDGMENTS: We extend our thanks to all the individuals and organizations that have contributed to the success of the QuickRes initiative. Special thanks to IntraHealth Namibia, Walvis Bay Corridor Group, and the KP-led civil society organizations such as Rights not Rescue Trust, Rights for All Movements, and Wings to Transcend Namibia Trust for their unwavering support and collaboration.

<https://www.intrahealthnamibia.org/>

Presented at AIDS 2024, the 25th International AIDS Conference, Munich, Germany and virtual | 22-26 July 2024



This work was made possible by the generous support of the American people through the United States Agency for International Development (USAID) and the U.S. President's Emergency Plan for AIDS Relief (PEPFAR). The contents are the responsibility of the EpiC project and do not necessarily reflect the views of USAID, PEPFAR, or the United States Government. EpiC is a global cooperative agreement (7200AA19CA00002) led by FHI 360 with core partners Right to Care, Palladium International, and Population Services International (PSI).

