



## Project: ACTS Tuberculosis System

Support Partner: Global Fund, Geneva and Qaff Africa

**About the Program:** ZMQ provides the platform enabling the current DAT implementation. With its Technology-for-Development international arm in Canada with a tech hub in Montreal, ZMQ has led innovative digital solutions for years in MCH, TB, HIV, Mental Health, Women's Empowerment, and Livelihood. ZMQ is supporting the National TB and Leprosy Program with digital adherence tools in five major local languages. It has since developed tools for adherence, active case finding, capacity building, and SBCC. With a strong team of technologists and behavior change experts, ZMQ combines human-centered design with cost-effective implementation. Recently, it received global recognition from the DAT Task Force for its impactful work and on-ground training with health workers in Uganda.



**Program Reach:**

The ACTS (Active Care and Treatment Strategy) model, implemented across 15 districts in Uganda, has significantly enhanced tuberculosis (TB) treatment adherence and community engagement. This initiative trained over 600 health workers, enabling them to support more than 1,200 TB patients through Video Observed Treatment (VOT).

**Impact Study:**

Active case finding in Mbarara and Kabarole screened over 16,900 individuals, identifying 1,528 presumptive TB cases, of which 117 were confirmed, enabling timely treatment and reducing community transmission. This approach strengthened early detection and improved TB care outcomes in the regions. ACF (Active Case Finding) activities were conducted in Mbarara and Kabarole Districts. In Mbarara, the activities reached 65% of the Northern Division, identifying 45 new TB cases out of an estimated 200 patients, based on an annual patient load of 400. In Kabarole, nearly 100% of Fort Portal Central Division was covered, detecting 72 new cases out of an estimated 168, based on a total of 336 annual cases. Across both districts, ZMQ's ACF contributed to

approximately 40% of the total TB burden. Expanding ZMQ's ACTS model—including tools such as TB learning toolkits, digital stories, and self-screening apps—could potentially identify a significant proportion of previously undetected TB cases, possibly over 40% in the community

