

ACTLink™

Coordinating the Efficient Distribution of ACTs Drugs

“Connecting Care. Delivering Life.”

Technology

ACTLink™ is a mobile and desktop application designed to streamline the distribution of artemisinin-based combination therapies (ACTs) used in malaria treatment. The system enhances coordination across the complex, multi-stakeholder supply chain that delivers ACTs to healthcare facilities and patients. Fragmented logistics and poor communication between stakeholders often constrain the distribution of ACTs. ACTLink™ addresses this challenge by enabling real-time coordination of drug delivery through both internet and USSD functionalities—ensuring accessibility in urban, peri-urban, and remote rural areas. By improving efficiency, transparency, and access, ACTLink™ helps ensure the timely availability of ACTs, maximising drug efficacy and improving patient treatment outcomes.

Market need

Access to ACTs remains a significant challenge, especially in remote or under-resourced regions where healthcare facilities are limited. Patients often face long travel distances and financial barriers to obtaining their medication, leading to incomplete treatment and increasing the risk of malaria drug resistance. An integrated, technology-driven coordination tool like ACTLink™ can bridge this gap by facilitating efficient drug distribution, minimising stockouts, and ensuring equitable access to life-saving malaria therapies.



Features

- Accessible via mobile (USSD-enabled) and desktop platforms to ensure connectivity in both high- and low-network areas.
- Monitors and updates stock levels, delivery progress, and distribution patterns in real time.
- Supports various user roles such as the manufacturers, suppliers, health workers, and regulators, with customised access and security levels.
- Automatically triggers restocking alerts based on consumption patterns and supply forecasts.
- Prevents wastage and supports accurate budgeting and supply planning.
- Promotes accountability and coordination among all actors in the supply chain



Benefits

- Enhances collaboration and visibility across the entire ACT supply chain.
- Ensures continuous drug availability even in remote and underserved communities.
- Enables data-driven forecasting and inventory control.
- Facilitates communication and joint decision-making among suppliers, clinics, and health authorities.
- Contributes to malaria control and eradication efforts through reliable and equitable access to ACTs.



Industry

ICT

Potential Applications

- Integration with national malaria control programmes for efficient drug distribution and reporting.
- Used by logistics providers and wholesalers to manage ACT stock levels across regions.
- Enables rural health agents to request and track ACT stock via mobile or USSD.
- Support large-scale malaria treatment campaigns by ensuring the timely and transparent delivery of drugs.
- Provides data analytics for policy planning, funding allocation, and monitoring of drug distribution efficiency.
- Offers supply chain visibility and inventory control for private clinics and pharmacies.

Creators

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Stage of Development

Prototype

Intellectual Property

Copyright

Desired Relationship

Co-development partner, Investors