

Presented for



TACKLING MALARIA WITH THE POWER OF BIOMETRICS

Malaria remains the leading cause of death in Ghana, and the main cause of outpatient visits. However, the new malaria vaccine, RTS,S/AS01, can reduce severe malaria cases that are admitted to hospital by 30%, and new vaccines continue to appear with a promise of efficacy up to 80%.

In late 2021, the World Health Organization (WHO) recommended population-wide use in high-transmission areas in Africa, but the vaccines will be expensive and extremely scarce globally when introduced into countries' Malaria Control Plans.

We need to make sure that every dose reaches the right person at the right time, with none wasted.

A partnership between Simprints and Ghana Health Service supported by Arm, Gavi and Steele Foundation for Hope aims to verify vaccine delivery ensuring that the four-dose vaccine is administered effectively, potentially saving thousands of lives and hundreds of millions of dollars of health care expenditure.

Our ground-breaking technology is improving access to critical maternal and vaccine services in 30 health centres already, with a plan to scale reach to 500,000 children by 2025.






"The Ghana Health Service (GHS) is committed to removing delays in data entry, errors, and misidentification and significantly lowering the workload of health workers.

The integration of the E-Tracker with the Simprints biometric system, which is a useful data capture tool in use now, will significantly enhance the verified delivery of the vaccines as well as patient identification."

Dr Alberta Biritwum-Nyarko
Director of PPME, GHS, August 2022




Powerful impact

This ground-breaking project is a first in Ghana – rolling out the first biometric technology designed for the last mile and for frontline health workers with contact and contactless biometric modalities.

-  Unique medical records are being created – eliminating duplicates and ensuring reliable data on the number of people immunised.
-  By capturing patient identity at the point and time of service delivery, and linking it automatically to the right medical record, data accuracy and reliability is enhanced.
-  Health Workers report that using biometrics is lowering their workload significantly, saving them time and effort which leads to faster interventions and the capacity to treat more children.

Solutions at scale

As the malaria vaccine implementation program is integrated into the routine immunisation and primary health care service delivery schedules, the benefits of biometrics and more reliable, timely data will be realised across all of Ghana's health facilities.

-  Programs will be monitored and optimised in real-time, leading to efficiencies and greater transparency.
-  Demand for vaccines will be more accurately forecasted, and fewer doses will expire or end up being wasted.
-  Every treatment, every service, and every dose will reach the people who need them most, and scarce health resources will be deployed to maximise impact.



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