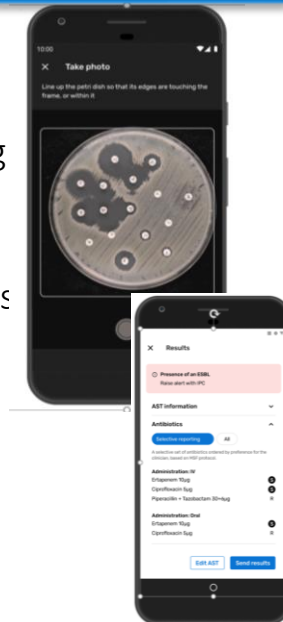


Problem

Address Antimicrobial Resistance (AMR), a recognized major threat to public health causing 700 000 annual deaths. AMR drivers are diverse and include: the irrational use of antibiotics by patients and physicians, the poor Infection Prevention Control measures that cause the spread of multidrug-resistant bacteria and the lack or absence of cost-effective diagnostic tools that can support targeted prescription and antibiotic use.

Proposed Solution

An open-source offline Android app that supports non-expert laboratory technicians measuring and interpreting Antibiotic Susceptibility Tests to help doctors prescribe accurate antibiotics to patients and provide accurate results for surveillance purposes. Ultimately support the update of empirical treatment based on real etiology. The application will be the first CE marked Medical device manufactured by MSF.



Potential Impact

- Improves quality of patient care through accurate prescriptions of antibiotics
- Maintains effectiveness of existing antibiotics
- Rapidly identifies nosocomial outbreaks

Viability

- Builds on an existing application and the momentum of 3 years development work
- Leverages a strong project team with in-depth experience from the development phase

Risk Mitigation

- Uses a staged approach with clear plan for evaluation of clinical performance, regulatory approvals and WHO endorsement

Scalability

- Antibiogo is a free app that is easily accessible, supporting global availability

Area/Type: Medical R&D, Very Large Scale

Sponsor/Support: OCP supported by OCB & WACA

Length/Project Status: 3 years; **ONGOING**