

# Functional Requirements

The following are the functional capabilities required for the AHD module within the ART POC system.

## 1. User Management

- Create and manage user accounts.
- Assign roles and permissions (e.g. ART Provider, Clerk, Administrator).

## 2. Client Registration

- Capture patient demographics:
  - Name, birth date, gender, region, village, phone number, etc.
- Generate unique patient identifier and barcode.

## 3. AHD Screening Workflow

- Trigger AHD screening based on:
  - Vitals (e.g., fever  $\geq 39^{\circ}\text{C}$ , HR  $\geq 120$  BPM)
  - CD4 count  $< 200$
  - WHO stage 3/4
  - Reported symptoms
- Prompt for TB/CrAg screening, KS symptoms, and drug prescriptions.

## 4. OI Screening & Lab Orders

- Enter and order tests:
  - CD4
  - TB (LAM, microscopy, culture)
  - CrAg (Serum and CSF)
- Capture results and link to patient record.

# 5. Summary & Follow-up

- Provide AHD summary with test results.
- Support next appointment booking based on assessment outcome.

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