



# Offline-First HIV Injection Tracker

Hybrid Biometrics (Face + Fingerprint) Proposal

## 1. Unique Selling Propositions (USP)

### Hybrid Biometric Support

Facial Recognition (via Android camera + clinic PC webcam), Fingerprint (Android sensor or optional external fingerprint scanner)

### Offline-First Design

Fully functional without internet, auto-syncs when connectivity is available

### Device Compatibility

Minimum Android 8.0, Webcam support for PC/laptops

### HIV-Focused Dashboard

Tracks Last Injection Date, Next Due, Current Medication, Missed Dose Alerts

## 2. Quotation - Prototype (Without External Fingerprint Device)

Item	Description	Price (USD)
Software Development & Customization	Android + PC/Web Dashboard + Offline DB + Facial Recognition	\$2,000
Implementation & Training	Clinic deployment + nurse training	\$500
Hosting & Database Setup (1 Year)	Offline-first local DB with optional cloud sync	\$500
Miscellaneous / Contingency	Testing, QA, documentation	\$500
Total Quotation (Clinic License)		\$3,500

## 3. Quotation - Prototype (With External Fingerprint Device)

Item	Description	Price (USD)
Software Development & Customization	Android + PC/Web Dashboard + Offline DB + Facial + Fingerprint	\$2,200
Implementation & Training	Clinic deployment + nurse training	\$500
Hosting & Database Setup (1 Year)	Offline-first local DB with optional cloud sync	\$500
External Fingerprint Device	Mantra MFS100 / Futronic FS80 + shipping & taxes	\$100
Miscellaneous / Contingency	Testing, QA, documentation	\$500
Total Quotation (Clinic License)		\$3,800

## 4. Technical Specifications & Notes

**Android Version:** Minimum Android 8.0 (Oreo)

**PC Requirements:** Webcam support for facial recognition

**Connectivity:** Offline-first architecture with optional cloud sync

✔ **Complete offline support** for uninterrupted operations

✔ **External webcam support** for clinic PC deployment

✔ **Comprehensive training** and implementation support

✔ **One year hosting** and database maintenance included

🔑 **Fingerprint Enhancement:** Optional external device for higher accuracy

📅 **Quotation Validity:** 3 months from issue date

💰 **Recurring Costs:** \$30/month per clinic (after first year)

## 5. Recommended Pilot Strategy

### Phase 1: Clinic Setup

Install software, setup DB, train nurse & admin

### Phase 2: Pilot Operations

Track patient injections, test offline sync

### Phase 3: Review & Feedback

Collect user feedback, optimize workflow

### Phase 4: Full Rollout

Deploy across all clinics, provide support