

DH Field EMR

User Guide for Field Clinicians

Getting Started

DH Field EMR is a desktop application designed for medical outreach in resource-limited settings. It works offline and syncs data to the cloud when connected to the internet.

Opening the App

Open **DH Field EMR** from your Applications folder. If this is a new device, you'll be asked to enter a device name — choose something identifiable like "Clinic Laptop 1".

Navigation

The app has four main screens, accessible from the top navigation bar:

Screen	Purpose
Records	View, search, and manage all patient encounters
Analytics	Charts and statistics about your patient data
Options	View your formulary, sites, providers, and sync status

Creating a New Encounter

Click the "+ New Encounter" button or press `Cmd+N`.

The encounter panel opens on the right side with several tabs:

Triage Tab

Start here for every patient. Fill in:

- **Site** — Select the clinic location
- **Date** — Defaults to today
- **Patient Name** — Given name and family name

- **Sex** — Tap M or F
- **Date of Birth** — Enter DOB or check "DOB Unknown" and enter an estimated age
- **Phone** — Patient's phone number (optional)
- **Vitals** — Temperature, blood pressure, weight
- **Pregnancy/Breastfeeding** — For female patients
- **Chief Concern** — Quick-select common complaints or type your own

Tip: The MRN (Medical Record Number) is generated automatically from the patient's name, DOB, and sex. You don't need to enter it manually.

Labs Tab

Order and record point-of-care lab results:

- **Rapid Tests** — Malaria RDT, HIV, Pregnancy (HCG), Typhoid, RPR/Syphilis, H. pylori, Hep B
- Click "**Order**" next to each test, then select **POS** or **NEG** when results are available
- **Urinalysis** — Record dipstick results for 10 parameters
- **Blood Glucose** — Enter mg/dL value

Dx Presets Tab

Quick-select common diagnoses. Tap one or more diagnosis buttons. You can sort by:

- **Popular** — Most commonly used diagnoses first
- **A–Z** — Alphabetical order
- **System** — Grouped by body system (Infectious, Respiratory, GI, etc.)

Selected diagnoses appear in the Diagnosis field on the Clinical tab.

Rx Presets Tab

Pre-built medication regimens for common conditions. When you select a diagnosis, matching Rx presets are highlighted. Tap a preset to auto-fill the medications.

Tip: Rx presets are linked to diagnoses. For example, selecting "Malaria" highlights the malaria treatment presets with the correct dosing by weight range.

Clinical Tab

Complete the clinical encounter:

- **Allergies** — Document known allergies

- **Current Medications** — What the patient is already taking
- **Past Medical History (PMH)** — Relevant medical history
- **Diagnosis** — Auto-filled from Dx Presets, or type manually
- **Medications** — Auto-filled from Rx Presets, or add manually with dose, frequency, and duration
- **Treatment Notes** — Additional clinical notes
- **Procedures** — Select any procedures performed (I&D, sutures, etc.)
- **Referral** — Select referral type if needed (Surgery, Follow-up, Specialist, Hospital, Lab Work)
- **Provider** — Select the treating clinician

View Tab

Review the complete encounter before saving. This shows a read-only summary of all entered data.

Saving

Click "**Save**" at the bottom of the panel. The record is saved locally and will sync to the cloud on the next sync cycle (every 30 seconds when online).

Managing Records

Searching

Use the search bar at the top of the Records screen to find patients by name, MRN, diagnosis, or chief concern.

Filtering

Filter records by **site** using the dropdown next to the search bar.

Editing

Click any record card to open it. Click "**Edit**" to modify the encounter. Changes are saved and synced automatically.

Deleting

Open a record and click "**Delete**". Deleted records are hidden but preserved in the database. Deletions sync to all devices.

Records from Other Devices

Records created on other devices in your organization are pulled down automatically. These show a small device badge indicating which device created them. You can view and edit them just like local records.

Analytics

The Analytics screen provides charts and statistics:

- **Summary stats** — Total records, male/female counts, lab positives, referrals
- **Records by Date** — Daily encounter volume
- **Disease Categories** — Breakdown by diagnosis type
- **Lab Positivity** — Positive rates for each rapid test
- **Referrals by Type** — Breakdown of referral categories
- **Top Medications** — Most frequently prescribed medications

Use the filter controls to narrow analytics by date range, site, or sex.

Sync & Connectivity

The sync indicator in the bottom-left corner shows your connection status:

Status	Meaning
Synced (green)	All data is up to date with the cloud
Syncing (orange, pulsing)	Currently uploading or downloading data
Error (red)	Sync failed — check your internet connection
Disabled (gray)	No cloud credentials configured

Offline Mode: The app works fully offline. All records are saved locally. When you reconnect to the internet, everything syncs automatically — no data is lost.

Keyboard Shortcuts

Shortcut	Action
Cmd+N	New Encounter
Cmd+E	Export CSV
Cmd+B	Backup Database to Desktop
Cmd+Shift+R	Restore from JSON Backup

Exporting Data

To export all records as a CSV spreadsheet:

1. Go to the **Analytics** screen
2. Optionally set date/site/sex filters
3. Click "**Export CSV**"
4. Choose a save location

The CSV includes all patient demographics, vitals, labs, diagnoses, medications, and clinical notes.

Backups

Press `Cmd+B` to save a JSON backup of all records to your Desktop. To restore from a backup, press `Cmd+Shift+R` and select the backup file.

Important: Regular backups are recommended, especially before and after large outreach events.

DH Field EMR — Damico Health Inc.
For support, contact your organization administrator.