

Healthroom Renal Centre

Platform Feature Overview

A complete, AI-powered renal hospital & dialysis management platform.

Public website

Patient-facing marketing site and guided demo.

- Animated marketing site with real photography (services, doctors, blog, testimonials, contact)
- Platform-capabilities sales section (AI, adequacy, monitoring, video, portal)
- 3-step appointment booking wizard
- Guided demo page with one-tap role logins and a role-by-role tour
- Scroll-reveal animations, hover interactions, fully responsive

Patient portal

Everything a patient needs, in one private space.

- Dashboard: upcoming appointments, recent labs, balances
- Appointments - book, view, cancel with a status timeline
- Lab results with trends and an AI plain-language explanation
- Prescriptions, dialysis history and medical records
- Diet & fluid tracker with an AI diet coach
- Health Assistant - AI triage chatbot that escalates red flags
- Home monitoring (RPM) - daily BP, weight, pulse and medication check-ins
- Video consultations - one-tap, no app install
- Invoices & payments, profile, emergency contacts, secure messaging

Clinical workflows (doctor / nurse)

A real clinical home screen and chart.

- Rich dashboard: today's schedule, patients needing attention, recent labs, weekly volume
- Patient chart: demographics, visits, vitals, diagnoses, allergies, medications, prescriptions, labs
- Renal snapshot - eGFR, creatinine, Hb, ferritin, calcium, phosphorus, PTH, potassium vs targets
- Vascular access surveillance - fistula/graft/catheter with status lifecycle
- AI clinical scribe - rough notes turned into a structured SOAP note
- eGFR-adjusted dose calculator - standard / adjust / avoid guidance
- Lab results review and critical-result auto-escalation to the ordering clinician

Dialysis unit

Purpose-built dialysis operations.

- Live unit board with running session timers and auto-refresh
- Dialysis adequacy - Kt/V, URR and IDWG per session vs targets (Kt/V $\geq$ 1.2, URR $\geq$ 65%)
- Chair-scheduling optimizer - weekly utilisation by day and shift with free slots
- Machines, stations and consumables with usage tracking and reorder alerts

Smart Intelligence (admin)

Predictive analytics over your own data.

- CKD progression predictor - eGFR trend with projected time to ESRD
- At-risk patient ranking, no-show prediction, inventory stock-out forecast
- Command-center dashboard - population health, revenue and operations
- Ask Your Data - natural-language analytics grounded in a live snapshot

Revenue cycle & CRM

Run the business, not just the clinic.

- Revenue-cycle dashboard - invoiced/collected/outstanding, collection rate, A/R aging, top debtors
- CRM lead pipeline - drag-and-drop Kanban, activity timeline, follow-ups, AI reply drafting
- Public contact submissions flow straight in as leads
- Invoices, payments and insurance/HMO claims

Quality & compliance

Governance-ready reporting.

- Quality dashboard - adequacy %, mean Kt/V & URR, completion & no-show rates, lab flags, access status
- Downloadable PDF quality report
- Full audit trail on clinical records

AI layer

Provider-agnostic, safe by design.

- OpenAI, Gemini or OpenRouter via RubyLLM - switchable by config
- Graceful fallback to rule-based output when no key is set
- Powers briefings, scribe, lab explainer, diet coach, triage, CRM replies and analytics

Communications

Reach patients where they are.

- In-app notifications and secure patient-clinician messaging
- SMS appointment reminders (Termii) - active once a key is set
- Video telemedicine via embedded Jitsi - no third-party account needed

Platform

Built for real deployment.

- Five roles (patient, receptionist, nurse, doctor, admin) with tailored dashboards and authorization
- Configurable currency, globally-neutral content (no country lock-in)
- Cloudinary media, Solid Queue/Cache/Cable, idempotent production-safe seed data

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