**HILINKS NETWORK SOLUTIONS LTD.**

# Hospital Management System

Complete Healthcare and Hospital Administration Platform

A comprehensive digital healthcare platform for patient care, medical records, appointments, billing, laboratory, pharmacy, admissions, inventory, staff operations, reporting, and management analytics.

**Better Care. Smarter Operations. Connected Healthcare.**

# Hospital Management System Overview

The Hilinks Network Solutions Ltd. Hospital Management System is a comprehensive, secure, and scalable digital healthcare management platform designed to help hospitals, clinics, medical centres, diagnostic facilities, and healthcare organizations manage patient care, clinical operations, administration, billing, pharmacy, laboratory services, staff activities, inventory, and medical records from one centralized system.

The platform connects healthcare professionals, administrative teams, laboratories, pharmacies, finance departments, nurses, doctors, patients, and management within one coordinated digital environment.

From patient registration and consultation to laboratory investigations, prescriptions, billing, admission, discharge, pharmacy dispensing, inventory management, medical reporting, and management analytics, the system provides the digital infrastructure required to support efficient healthcare delivery.

**One coordinated platform for patients, doctors, nurses, laboratories, pharmacy, finance, administration, insurance, inventory, and management.**

## Patient Registration Management

Create structured patient profiles containing hospital number, personal details, photograph, contacts, next of kin, emergency contact, blood group, genotype, allergies, insurance information, identification documents, and relevant medical details.

## Electronic Medical Records - EMR

Give authorized healthcare professionals access to patient medical history, consultations, diagnoses, allergies, vital signs, prescriptions, laboratory results, radiology reports, procedures, admissions, discharge records, clinical notes, treatment history, and follow-up information.

## Patient Medical History

Maintain a chronological record of previous illnesses, diagnoses, surgery, family history, medications, allergies, immunizations, chronic conditions, previous admissions, and investigations.

## Appointment Scheduling & Online Booking

Schedule patients by doctor, department, date, time, appointment type, and reason for visit. Where enabled, patients can request or book appointments online and receive confirmation through supported communication channels.

## Patient Queue Management

Organize waiting patients by number, department, doctor, arrival time, queue position, and consultation status to improve outpatient flow.

## Outpatient Management

Coordinate the outpatient workflow from registration and vital signs through doctor consultation, diagnosis, laboratory or radiology requests, prescriptions, billing, pharmacy dispensing, and follow-up appointments.

## Inpatient, Ward & Bed Management

Track admissions, doctors, wards, rooms, beds, diagnoses, treatments, medications, nursing notes, investigations, charges, and discharge status while providing real-time visibility into bed availability and occupancy.

## Doctor Consultation & Doctor Dashboard

Allow doctors to document complaints, history, findings, diagnosis, treatment plans, requests, prescriptions, follow-up instructions, and clinical notes while viewing scheduled appointments, waiting patients, admitted patients, pending results, and notifications.

## Nursing & Vital Signs Management

Record medication administration, nursing notes, observations, fluid intake/output, shift handover notes, temperature, blood pressure, pulse, respiratory rate, oxygen saturation, weight, height, BMI, and blood glucose.

## Diagnosis Management

Maintain primary and secondary diagnoses, dates, clinical notes, treatment plans, and optional diagnostic coding where required.

## Laboratory Management

Manage electronic laboratory requests, specimen collection, sample tracking, test processing, result entry, review, approval, and publication without relying on handwritten request forms.

## Laboratory Test Catalogue & Results

Configure laboratory tests, prices, reference ranges, units, parameters, result formats, interpretations, reviewing scientists, and approval workflow. Approved results can be made available automatically to authorized doctors.

## Laboratory Result Printing

Generate professional laboratory reports with hospital branding, patient information, test details, result values, reference ranges, comments, reviewer, and approval information.

## Pharmacy Management

Manage medicine catalogues, categories, stock, prescriptions, dispensing, purchases, suppliers, batch numbers, expiry dates, and pricing from an integrated pharmacy workflow.

## Electronic Prescriptions & Dispensing

Allow doctors to prescribe medication digitally with drug, dosage, frequency, duration, route, quantity, and instructions. Pharmacists can then record dispensing and automatically reduce inventory quantities.

## Drug Inventory & Expiry Monitoring

Track generic and brand names, categories, quantities, batches, expiry dates, costs, selling prices, suppliers, and reorder levels, with alerts for low stock, out-of-stock, approaching expiry, and expired medication.

## Radiology Management

Support X-ray, ultrasound, CT, MRI, mammography, and other imaging requests, with reports returned electronically to authorized clinicians.

## Procedure, Theatre & Surgery Management

Configure clinical procedures and automatically bill them where appropriate. Track surgical patients, surgeons, anaesthetists, theatres, dates, procedures, pre/post-operative notes, teams, and supplies used.

## Maternity Management

Manage antenatal registration, pregnancy history, expected delivery dates, antenatal visits, investigations, delivery, baby information, and postnatal care.

## Emergency & Triage Management

Register emergency patients quickly, record arrival time, triage level, condition, vital signs, assigned doctor, treatment, procedures, and admission status.

## Billing & Payment Processing

Generate charges for registration, consultations, admissions, beds, laboratory, radiology, pharmacy, procedures, surgery, nursing services, supplies, and other hospital services, with payment support for cash, bank transfer, POS, online payment, insurance, corporate accounts, and configured methods.

## Digital Receipts & Patient Accounts

Generate receipts showing patient, services, amount, payment method, outstanding balance, and cashier. Maintain patient accounts with charges, payments, discounts, insurance coverage, balances, and refunds.

## Insurance, HMO & Corporate Accounts

Manage insurance providers, policies, covered services, authorization codes, claims, co-payments, HMO plans, pricing, patient membership, and corporate arrangements for organizations whose employees receive treatment.

## Medical Inventory, Store & Procurement Management

Track medical consumables, reagents, PPE, devices, cleaning supplies, stock received, issued, transferred, damaged, adjusted, and reordered. Support purchase requests, quotations, approvals, purchase orders, goods receipt, supplier invoices, and payment processing.

## Supplier Management

Maintain supplier contacts, products supplied, bank details, purchase history, payment history, contracts, and performance records.

## Staff, Doctor & Shift Scheduling

Maintain staff records for clinical and non-clinical personnel and schedule morning, afternoon, night, on-call, weekend, theatre, clinic, and departmental duties.

## Department Management

Configure departments such as General Medicine, Surgery, Paediatrics, Obstetrics and Gynaecology, Pharmacy, Laboratory, Radiology, Nursing, Emergency, Finance, Administration, Records, and Procurement.

## Admission, Transfer & Discharge Management

Record admissions, ward/bed assignment, doctors, diagnoses, treatment plans, transfers, expected discharge, discharge date, final diagnosis, treatment summary, medication, follow-up instructions, billing status, and discharge summaries.

## Follow-Up, Referral & Medical Certificates

Schedule follow-ups, manage referrals between departments or external providers, and generate medical reports, fitness certificates, sick-leave certificates, referral letters, and other authorized clinical documents.

## Patient Document Management & Portal

Securely store laboratory reports, radiology reports, referrals, consent forms, insurance documents, IDs, external reports, and discharge documents. Where enabled, patients can access selected appointments, results, prescriptions, bills, receipts, reports, and notifications.

## SMS & Email Notifications

Send appointment confirmations, reminders, result-availability notices, payment confirmations, follow-up reminders, medication information, admission or discharge information, and hospital announcements via supported channels.

## Health Reporting & Analytics

Provide dashboards covering total patients, new and returning patients, daily consultations, current admissions, bed occupancy, laboratory activity, pharmacy transactions, revenue, outstanding balances, insurance claims, department activity, and doctor activity.

## Clinical, Financial & Inventory Reports

Generate patient, consultation, diagnosis, admission, discharge, laboratory, pharmacy, procedure, doctor, department, revenue, payment, outstanding balance, HMO, corporate account, cashier, stock, expiry, movement, procurement, and supplier reports.

## Executive Dashboard

Give hospital owners and senior administrators a high-level view of patient volume, revenue, occupancy, department performance, laboratory and pharmacy activity, outstanding payments, inventory, and staff activity.

## Role-Based Access Control

Support roles such as Super Administrator, Hospital Administrator, Medical Director, Doctor, Nurse, Pharmacist, Laboratory Scientist, Radiographer, Cashier, Accountant, Records Officer, Storekeeper, Procurement Officer, Insurance Officer, Receptionist, Auditor, and Patient.

## Medical Data Security & Audit Trail

Protect sensitive healthcare information using secure authentication, role-based permissions, password policies, session management, activity logging, backups, controlled record access, secure infrastructure, and encryption where appropriate. Maintain audit logs of logins, registrations, medical record access, consultation changes, prescriptions, results, billing, payments, inventory, and permission changes.

## Cloud & Multi-Branch Deployment

Deploy securely in the cloud for access across departments and locations. Multi-branch healthcare organizations can monitor patients, revenue, staff, inventory, admissions, laboratory activity, pharmacy operations, and branch performance centrally.

## Integration Capability

Integrate with laboratory devices, radiology systems, pharmacy systems, payment gateways, insurance systems, accounting software, HR systems, biometric attendance, SMS gateways, email services, government health platforms, and external APIs where required.

# Major Benefits

## Improved Patient Care

Authorized clinicians can access relevant patient information more quickly, supporting coordinated healthcare delivery.

## Reduced Administrative Bottlenecks

Digital registration, appointments, billing, records, laboratory requests, pharmacy processes, and reporting reduce repetitive work.

## Improved Medical Record Accuracy

Structured digital records reduce dependence on handwritten notes and fragmented patient files.

## Faster Access to Information

Authorized staff can retrieve patient information without searching through physical records.

## Improved Billing Efficiency

Automated service charging, payments, receipts, insurance, and reporting improve financial operations.

## Better Laboratory Coordination

Electronic requests and digital results improve communication between doctors and laboratory teams.

## Better Pharmacy Control

Prescription management and stock tracking improve medication dispensing and accountability.

## Improved Inventory Management

Hospitals can monitor supplies, medicine quantities, expiry dates, procurement, and stock movement.

## Better Management Visibility

Dashboards and reports provide real-time operational and financial insights.

## Enhanced Financial Accountability

Digital billing, receipts, payment histories, audit logs, and reports strengthen transparency.

## Improved Patient Experience

Faster registration, organized appointments, connected services, and notifications improve the patient journey.

## Supports Digital Healthcare Transformation

The platform helps healthcare institutions move from fragmented manual processes to a centralized digital environment.

# Ideal For

- Private hospitals
- Government hospitals
- Specialist hospitals
- Teaching hospitals
- General hospitals
- Clinics
- Medical centres
- Diagnostic centres
- Medical laboratories
- Maternity centres
- Dental clinics
- Eye clinics
- Physiotherapy centres
- Specialist medical practices
- Multi-branch healthcare organizations
- Corporate medical facilities
- Community healthcare centres
- Healthcare NGOs
- Insurance-linked healthcare providers

# Why Choose the Hilinks Hospital Management System?

The Hilinks Hospital Management System is designed as more than a basic patient-record application. It provides a complete digital healthcare environment connecting patients, doctors, nurses, pharmacy, laboratory, radiology, finance, administration, insurance, inventory, procurement, and management.

# Built for Patient-Centred Healthcare

Effective healthcare depends on accurate information and coordinated service delivery. Registration must connect to consultation, doctors must communicate with laboratories, results must flow back to clinicians, prescriptions must reach pharmacies, inventory must remain controlled, and finance must track charges and payments. The system connects these activities into one coordinated digital workflow.

# Built for Healthcare Growth

As a healthcare institution expands, the system can scale to support more patients, doctors, departments, wards, beds, laboratory tests, pharmacy items, branches, staff, insurance providers, integrations, and reporting requirements.

**Transform Healthcare Administration**

The Hilinks Network Solutions Ltd. Hospital Management System provides the digital foundation required to deliver more efficient, coordinated, secure, and patient-focused healthcare services.

## Hospital Management System

**Better Care. Smarter Operations. Connected Healthcare.**