CODCrafters

HOSPITAL MANAGEMENT SYSTEM

Empowering Healthcare with Smart Digital Solutions

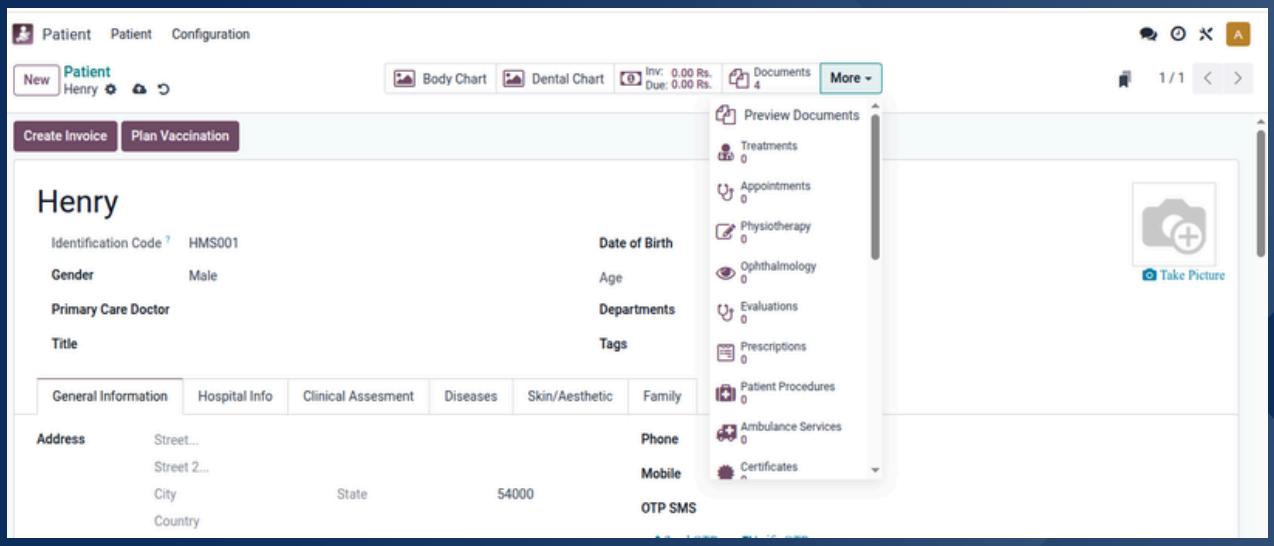
INTRODUCTION

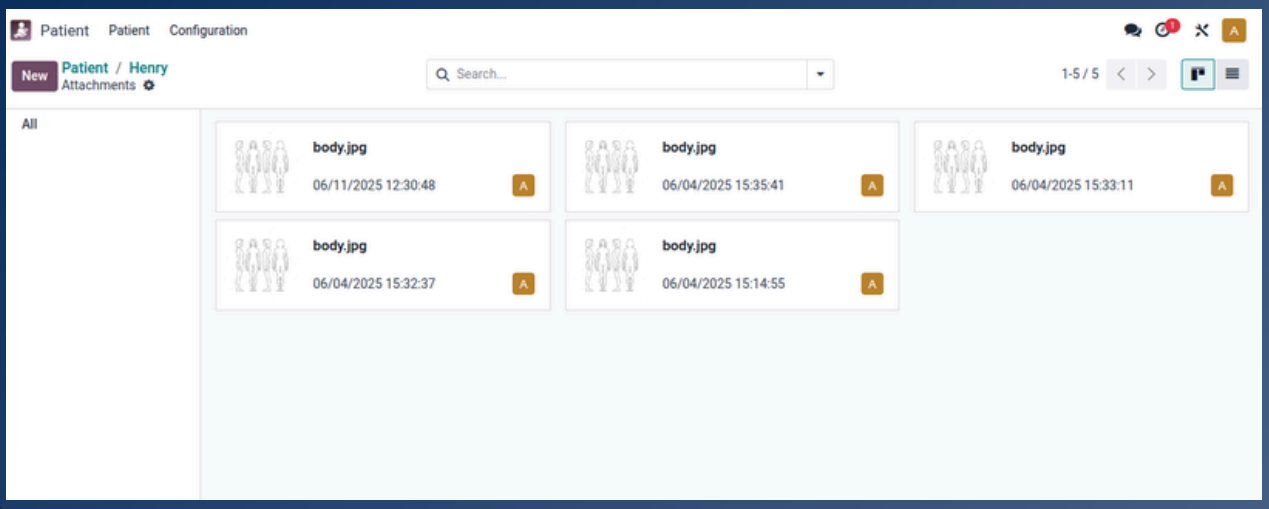
CODCrafters proudly presents an all-in-one Hospital Management System built on Odoo – a modular, scalable, and customizable solution tailored for clinics, hospitals, and healthcare institutions globally. Our system streamlines medical, administrative, and financial operations with maximum efficiency.

CORE MODULES & FEATURES

1. PATIENT MANAGEMENT

The CODCrafters Hospital Management System (HMS) ensures efficient patient registration, comprehensive record-keeping, and personalized treatment plans—all while maintaining data accuracy and accessibility.





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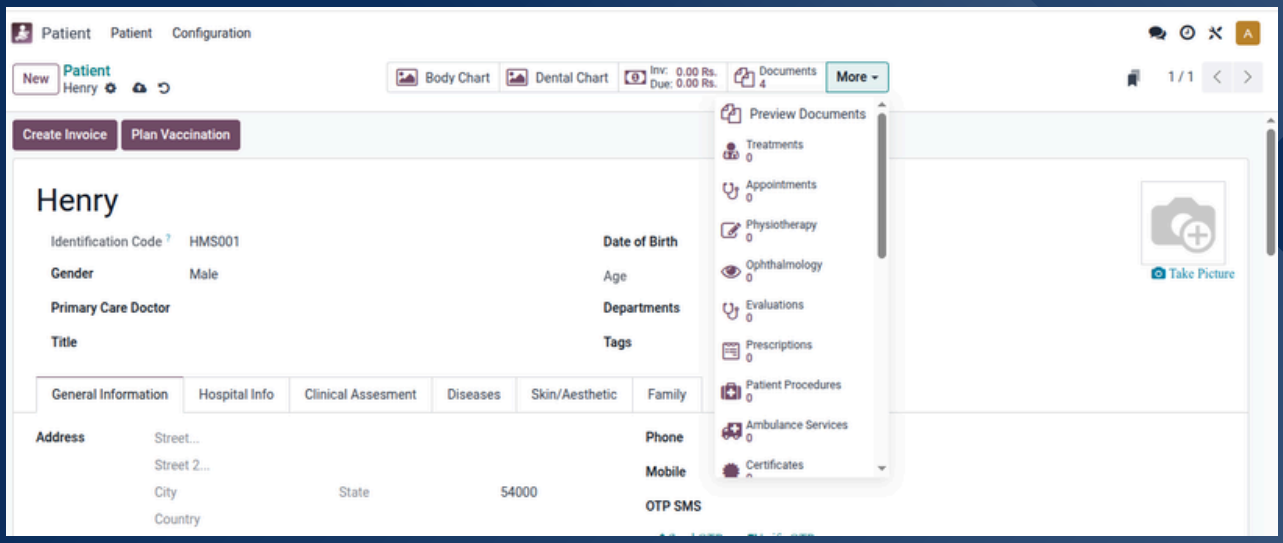
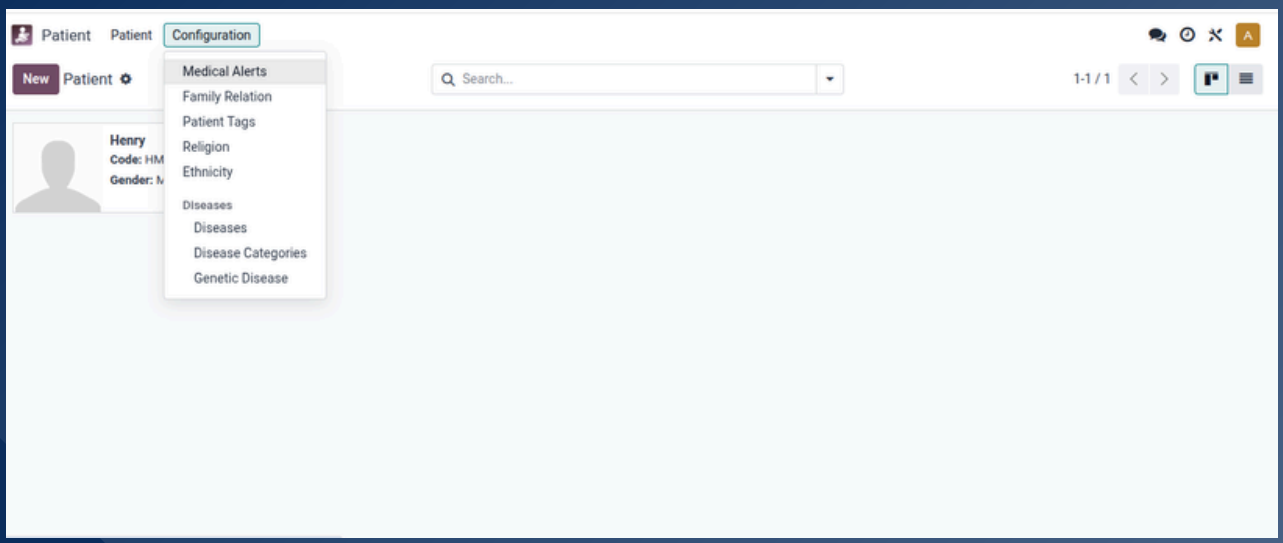
END-TO-END PATIENT MANAGEMENT

Structured Patient Profiles
HMS captures critical patient details (e.g., identification code, gender, contact information) in a structured format for quick retrieval.

Demographic & Hospital Information
Fields such as address, phone number, and hospital-related data ensure seamless communication and location tracking.

Medical Alerts & Tags
The system allows categorization via patient tags, medical alerts, and disease tracking, enhancing clinical decision-making.





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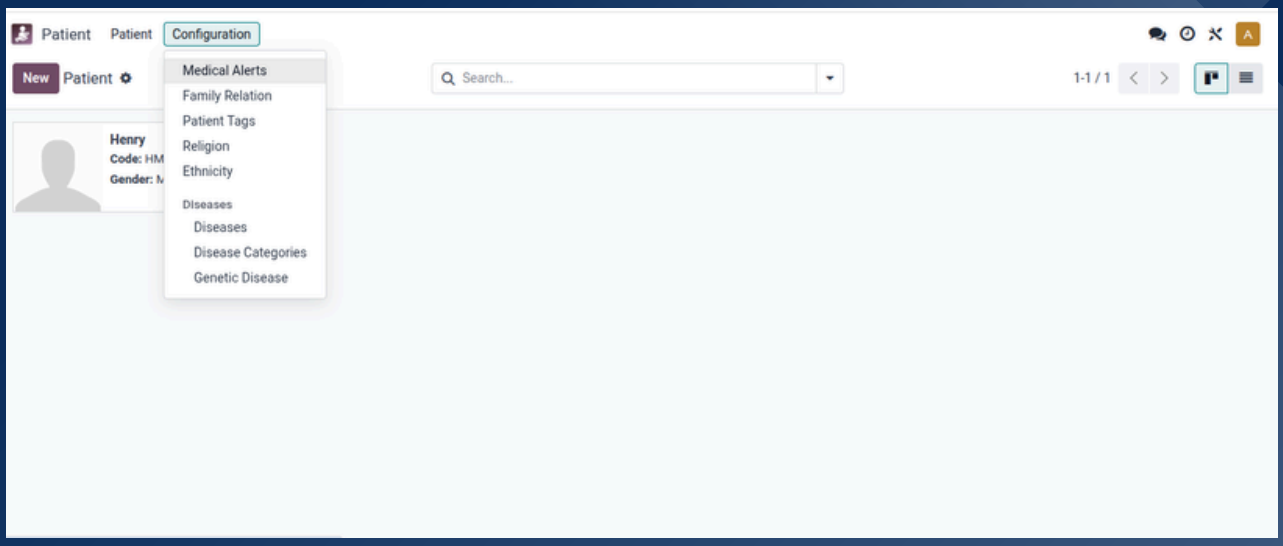
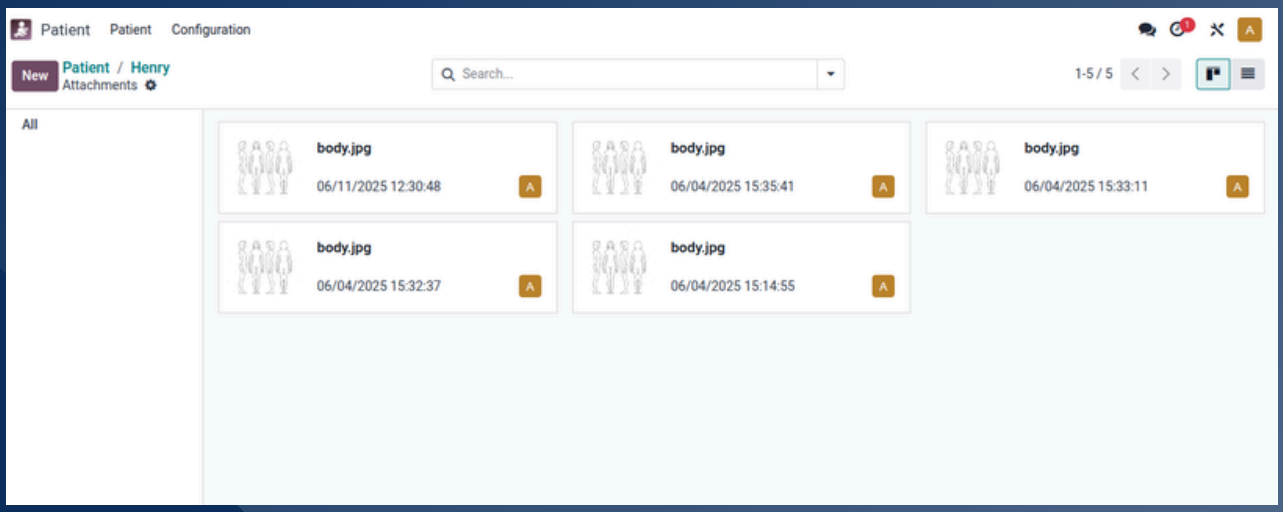
PERSONALIZED CARE WITH INTEGRATED RECORDS

Unified Clinical Assessment
The "Clinical Assessment" and "Diseases" tabs (visible in the first screenshot) enable healthcare providers to maintain a holistic view of patient health, from diagnoses to treatment history.

Specialized Tracking
Modules like "Skin/Aesthetic" and "Family" support specialty-specific care, ensuring tailored treatment plans.

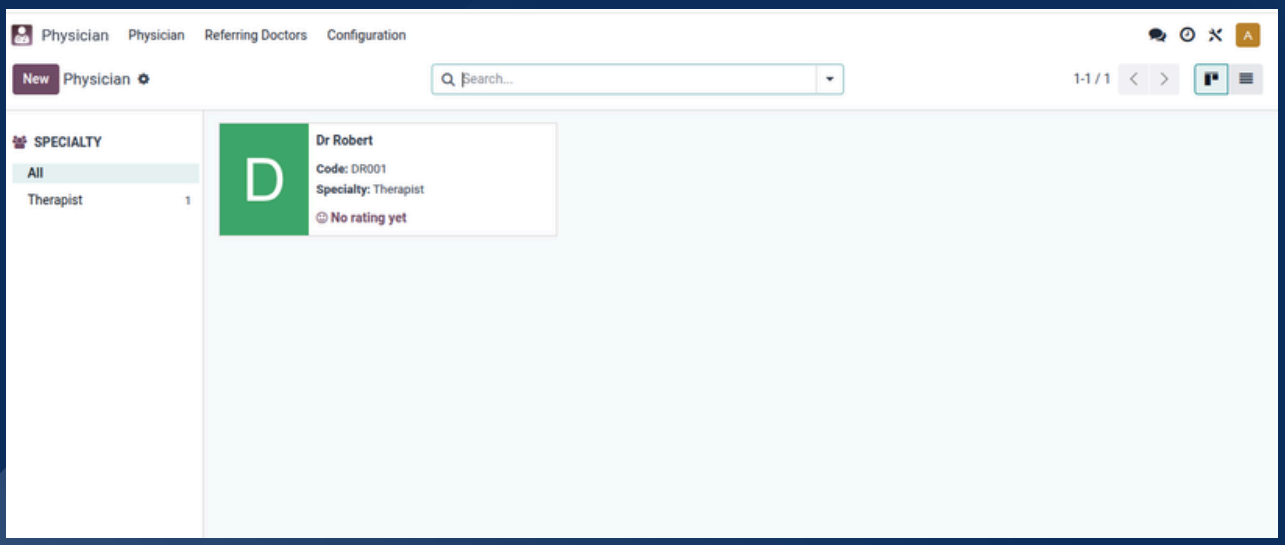
Search & Filter Capabilities
The "Search" functionality (seen in the second screenshot) allows instant access to patient records, improving efficiency during consultations.

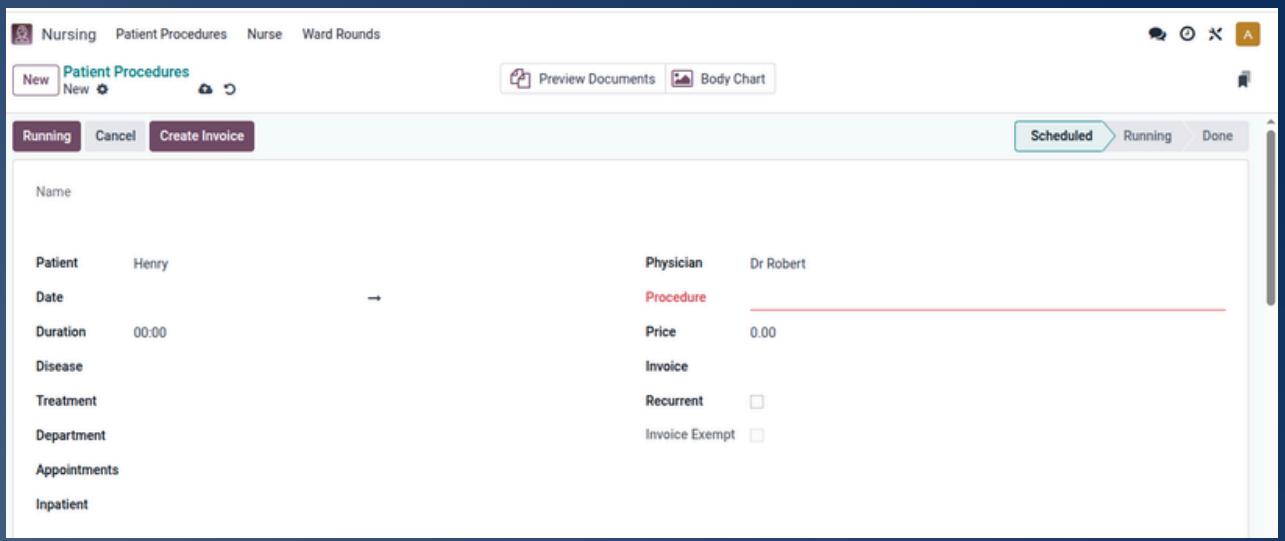




2. PHYSICIAN & NURSING MANAGEMENT

The CODCrafters HMS provides comprehensive tools for physician management and nursing operations, ensuring seamless coordination between medical teams while maintaining accurate patient care documentation.





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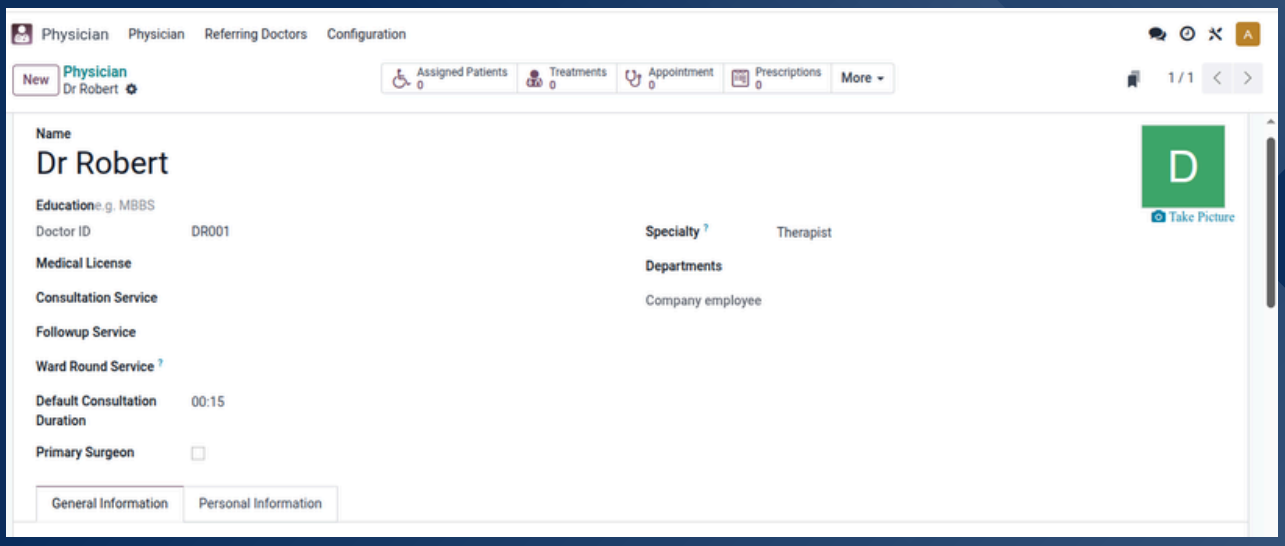
PHYSICIAN PROFILE MANAGEMENT

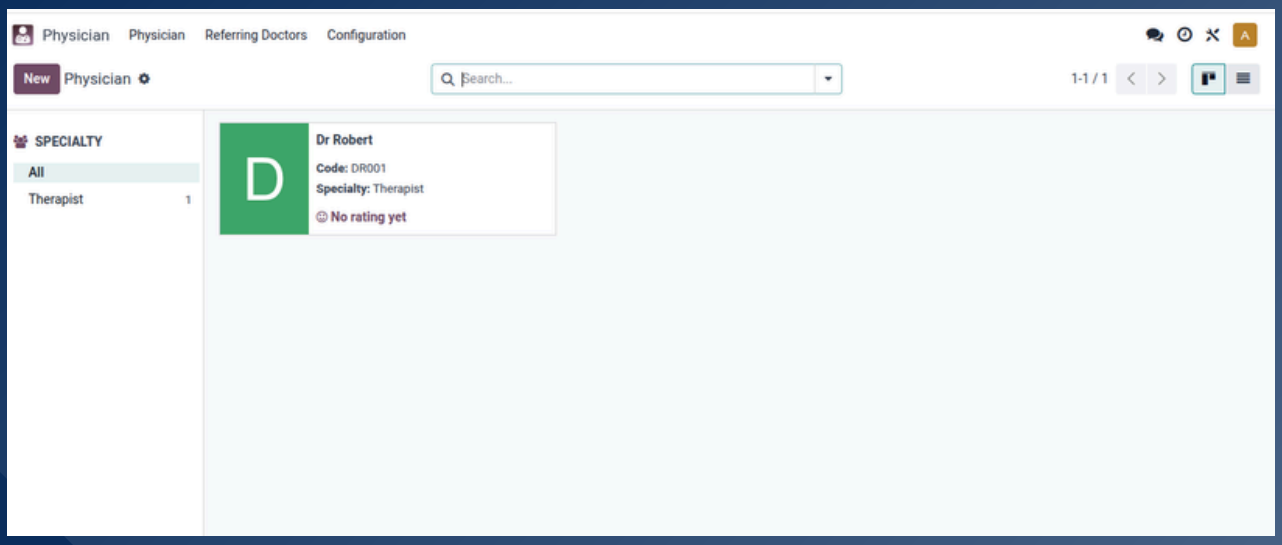
Detailed Professional Records

- Track education (MBBS), license info, doctor ID (DR001), and specialties (Therapist).
- Configure consultation durations, follow-up services, and department assignments.

Specialty-Based Filtering

Quickly locate physicians by specialty for optimized patient referrals.





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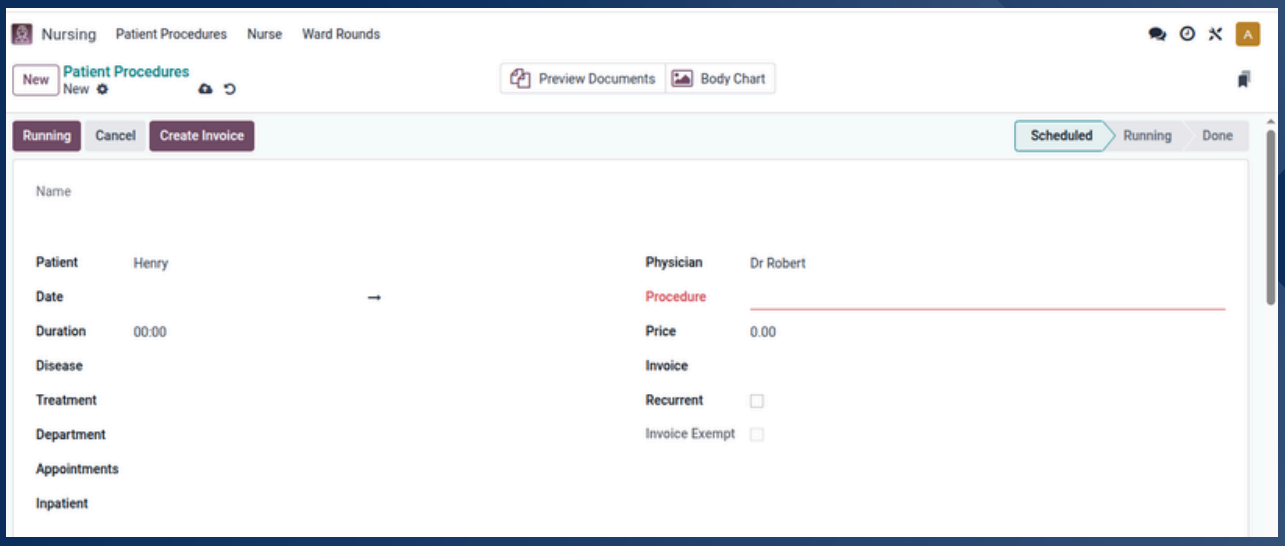
NURSING PROCEDURE TRACKING

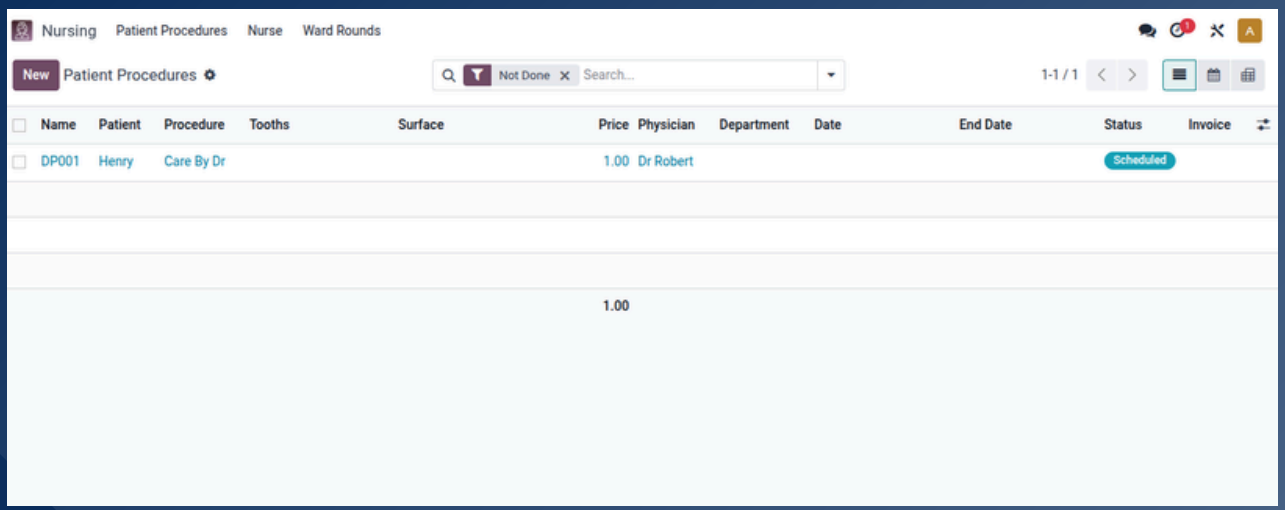
Patient-Centric Task Management

- Log procedures with patient name (Henry), duration, disease, and treatment details.
- Categorize tasks by status (Scheduled, Running, Done) for real-time progress tracking.

Clinical Documentation

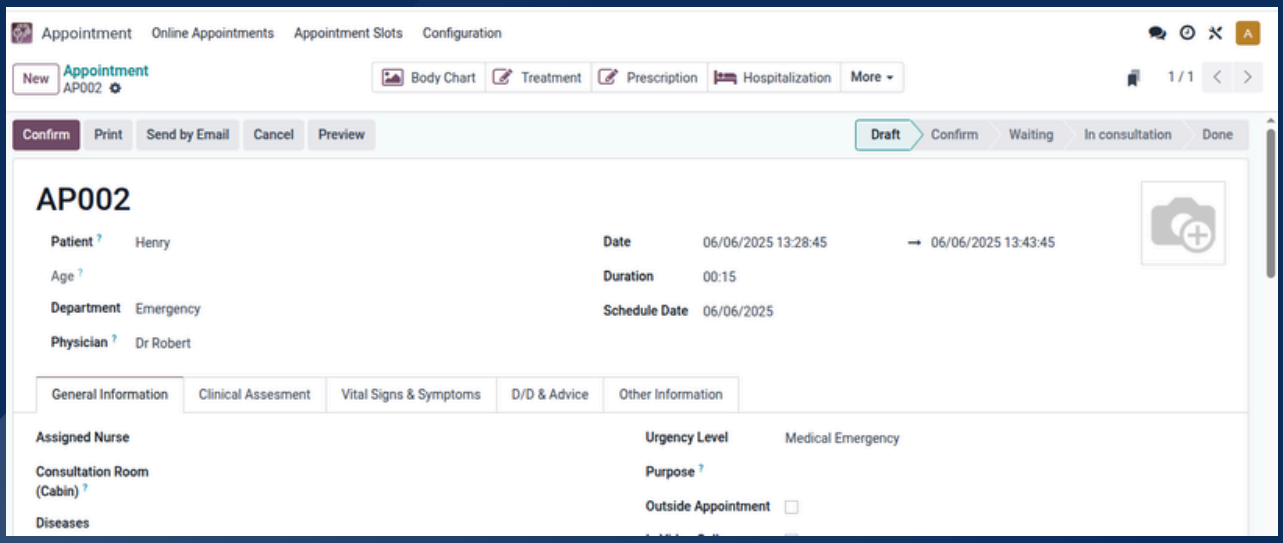
- Attach body charts and review documents directly within the system.
- Monitor inpatient status and appointments for coordinated care.

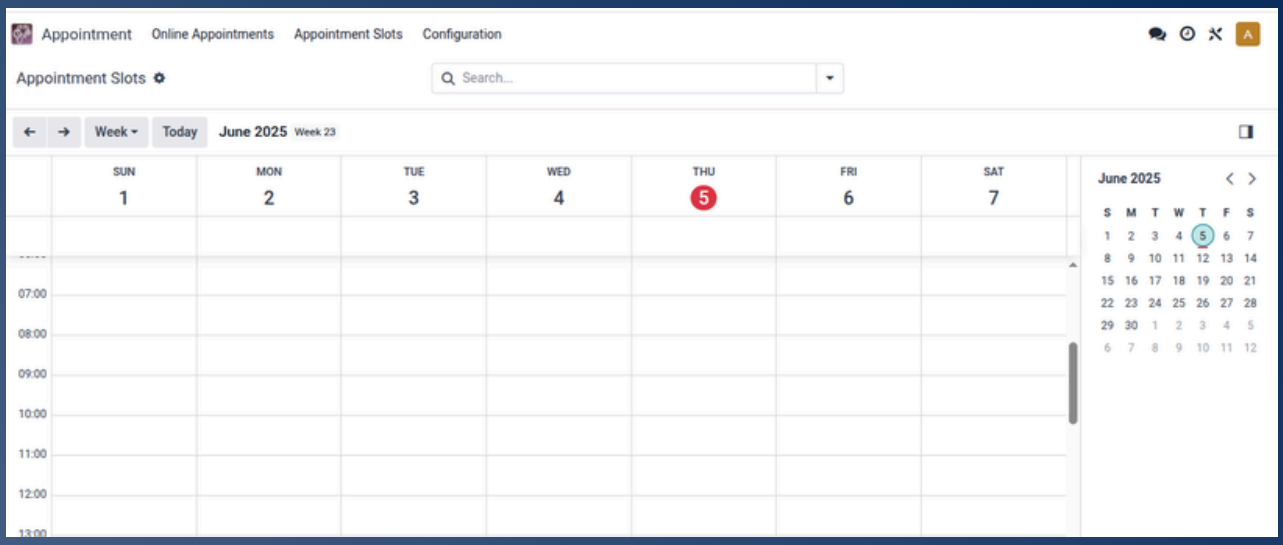




3. APPOINTMENT MANAGEMENT

Our Appointment Management system provides end-to-end control over scheduling with smart features that reduce administrative burden while improving patient experience.





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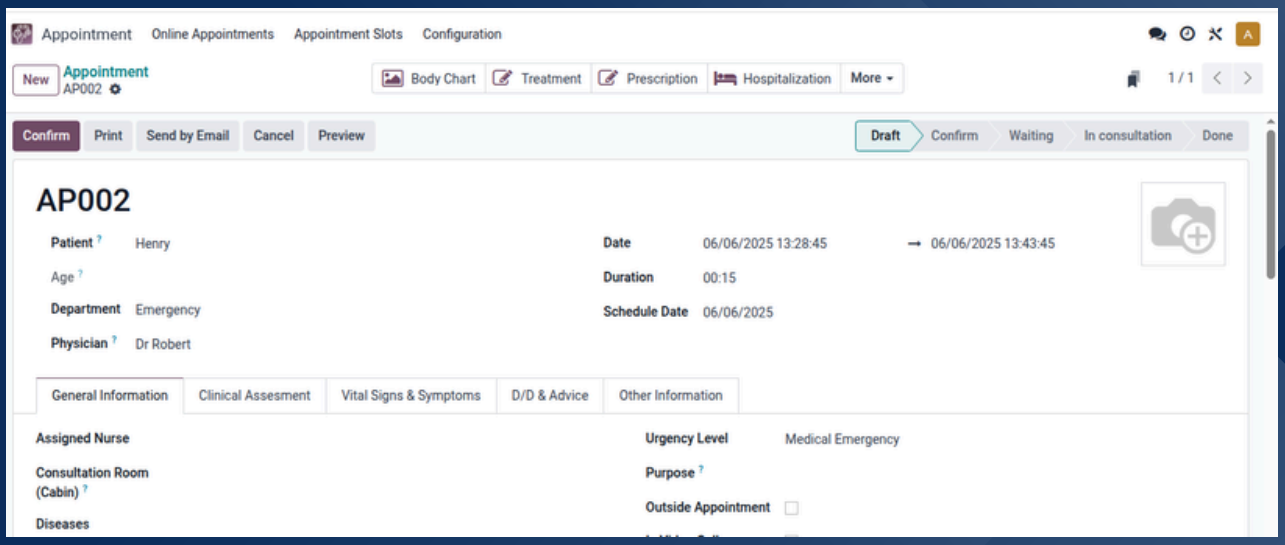
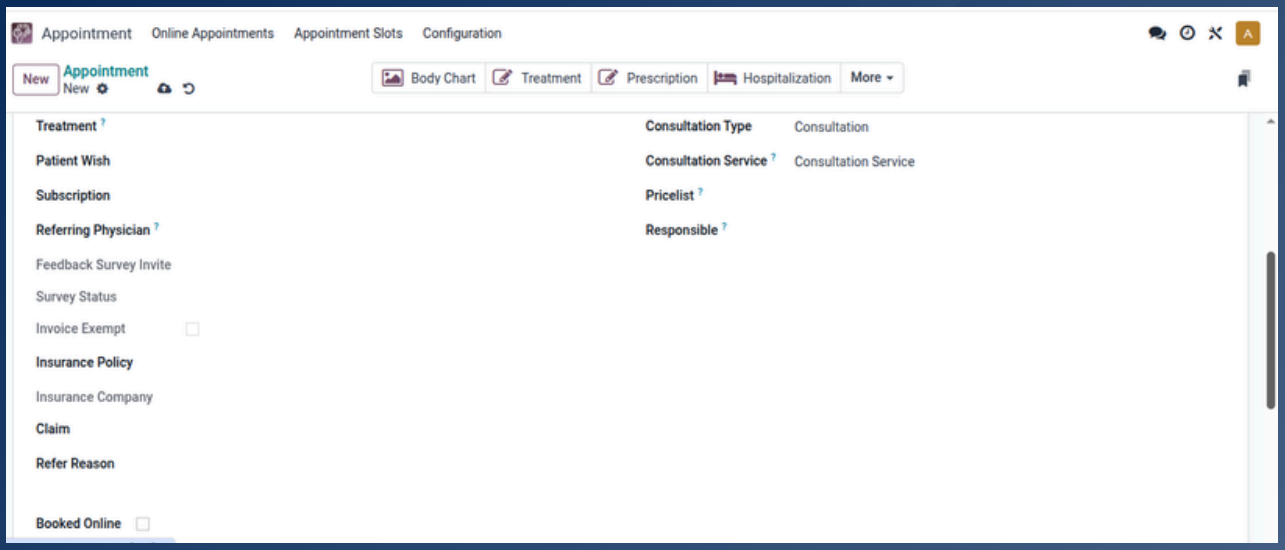
COMPREHENSIVE APPOINTMENT DETAILS

Patient-Physician Matching
Clear assignment of patient to physician with department visibility.

Smart Time & Priority Management

- Standardized appointment durations with intelligent calendar tracking
- Built-in urgency level classification system





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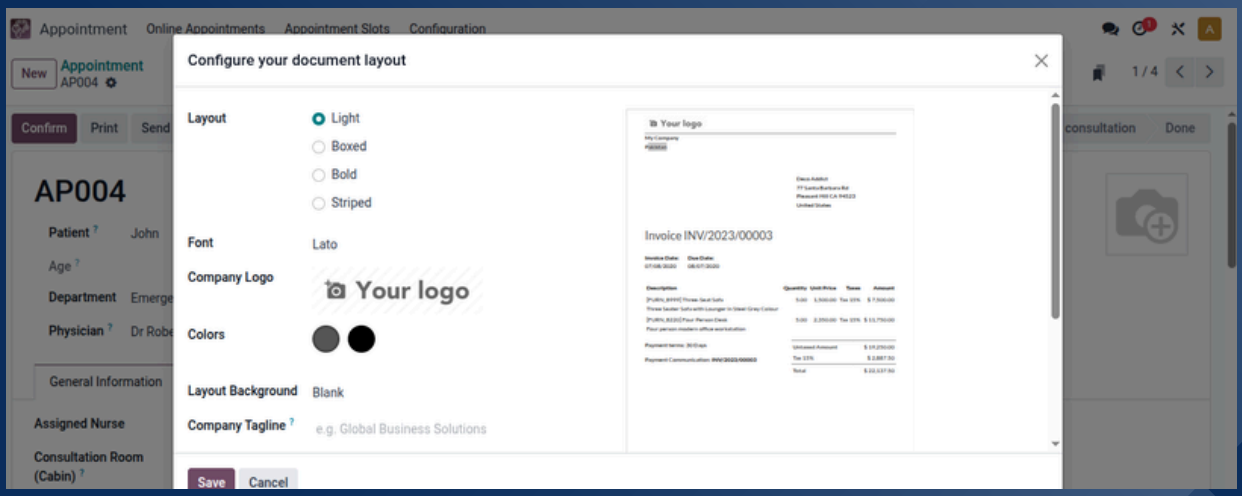
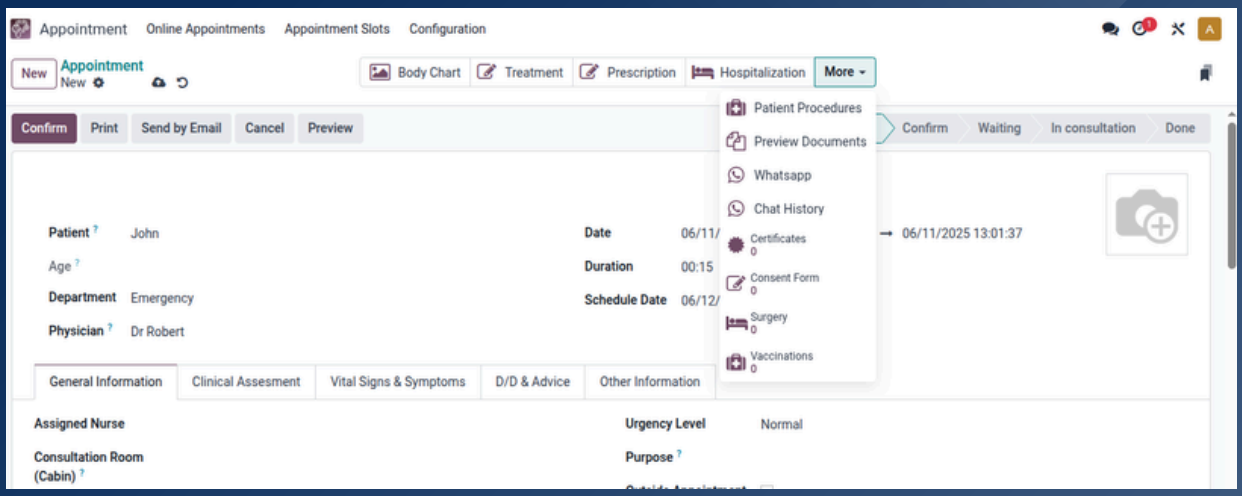
BILLING & OPERATIONAL EFFICIENCY

Automated Invoicing
Link procedures to billing systems with price tracking and exemption flags.

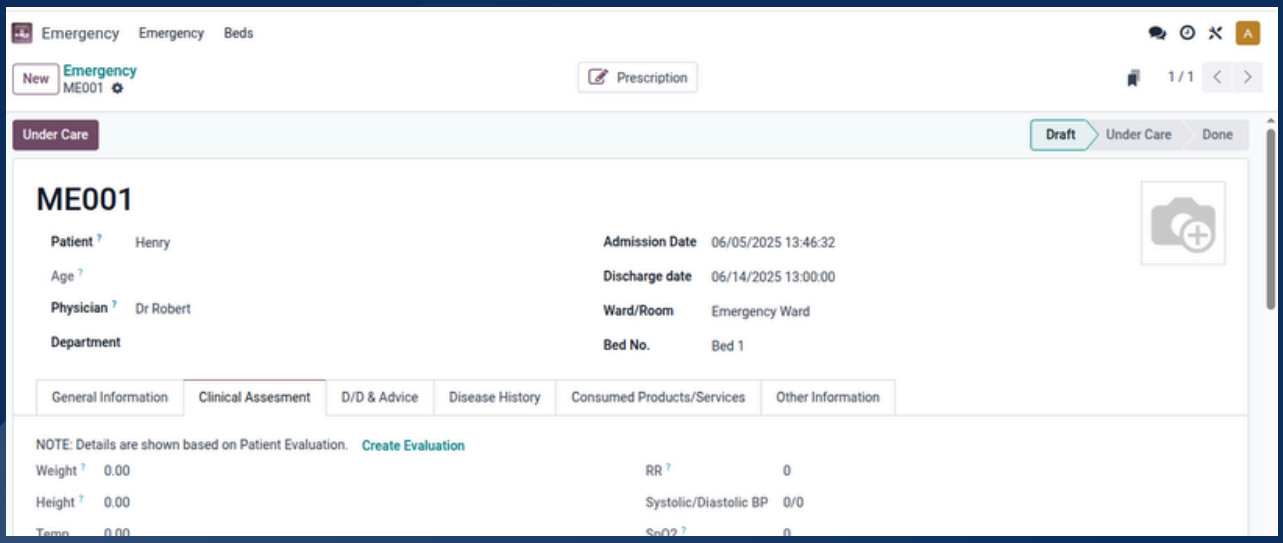
Departmental Coordination
Assign tasks to specific departments (e.g., "Therapist") to streamline workflows.

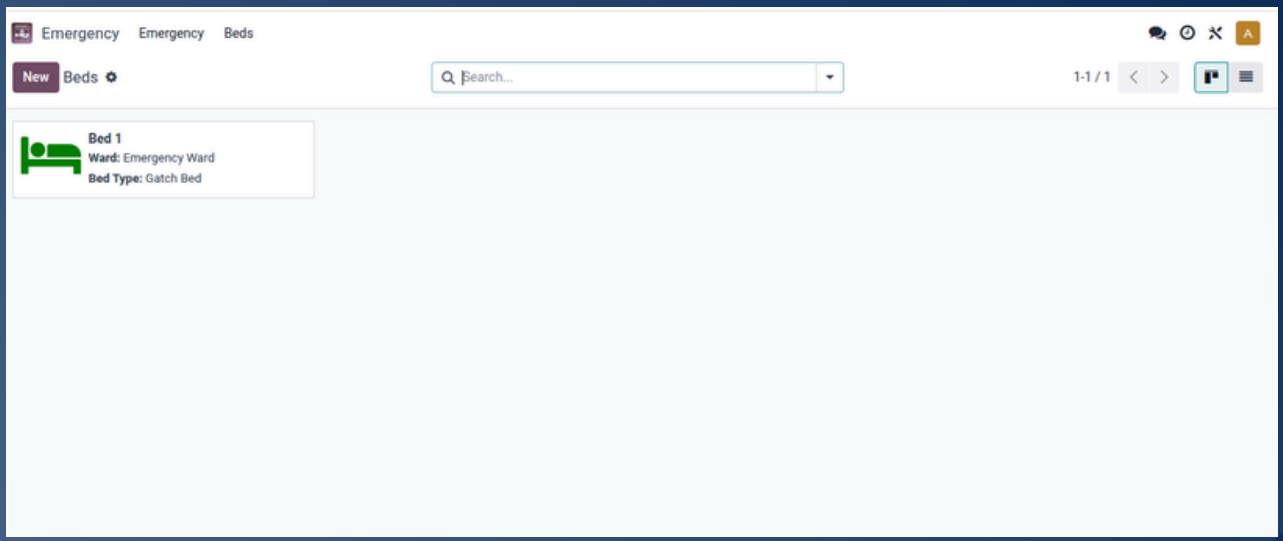




4. EMERGENCY MODULE

Our Emergency Module provides real-time case prioritization and resource coordination, ensuring life-saving interventions are delivered with maximum efficiency.





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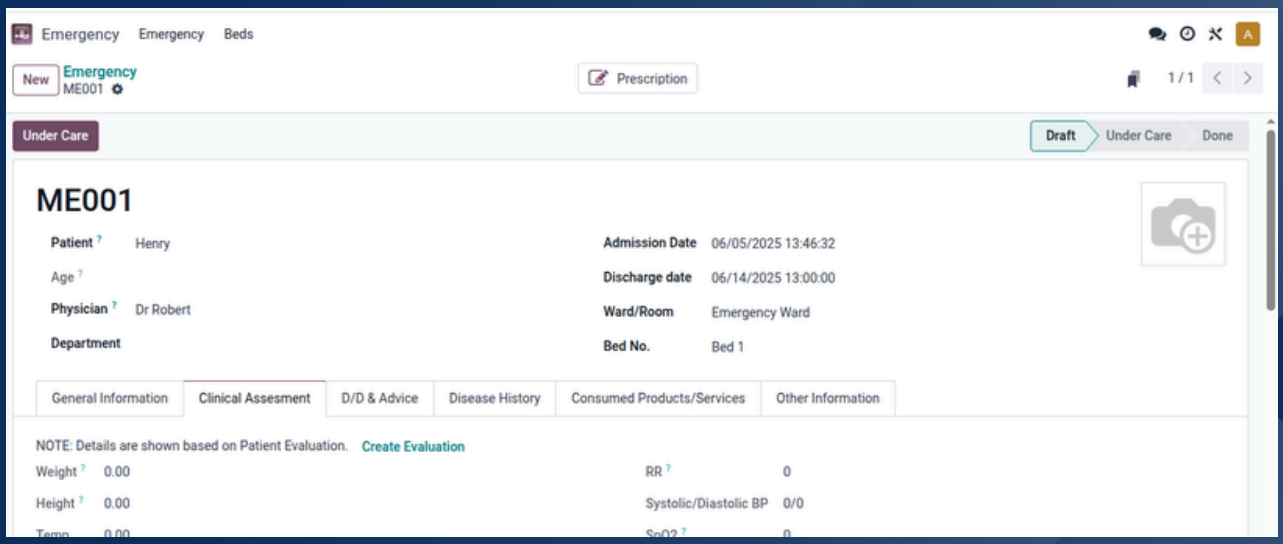
RAPID PATIENT INTAKE & EVALUATION

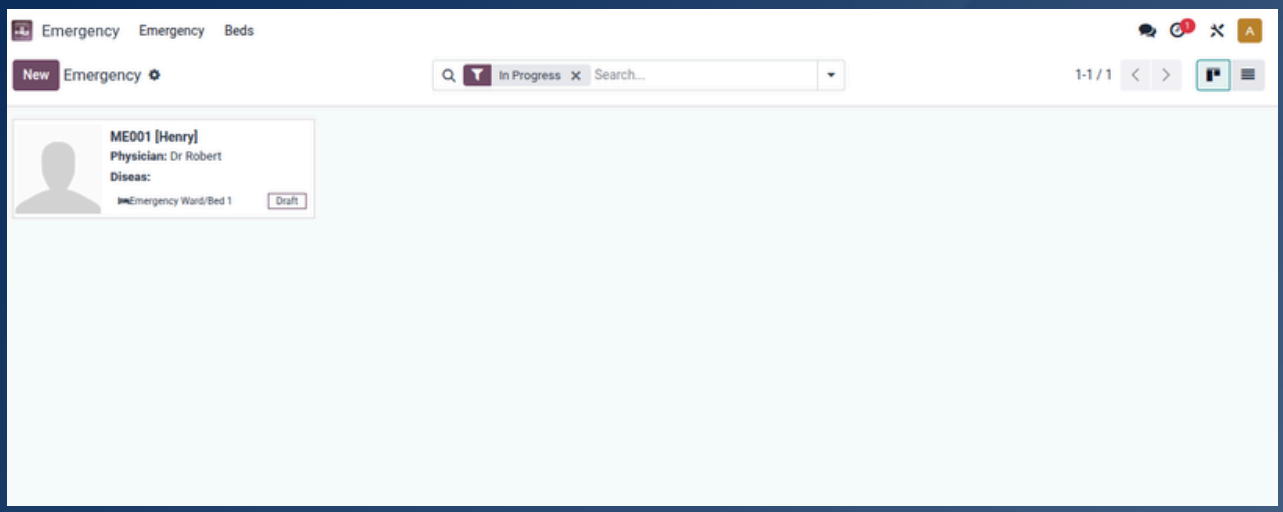
Instant Record Creation

Auto-generated emergency case IDs (ME001) with critical patient details.

Structured Triage Assessment

- Vital sign capture (BP, RR, weight/height)
- Clinical evaluation templates
- Disease history visibility





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DYNAMIC RESOURCE MANAGEMENT

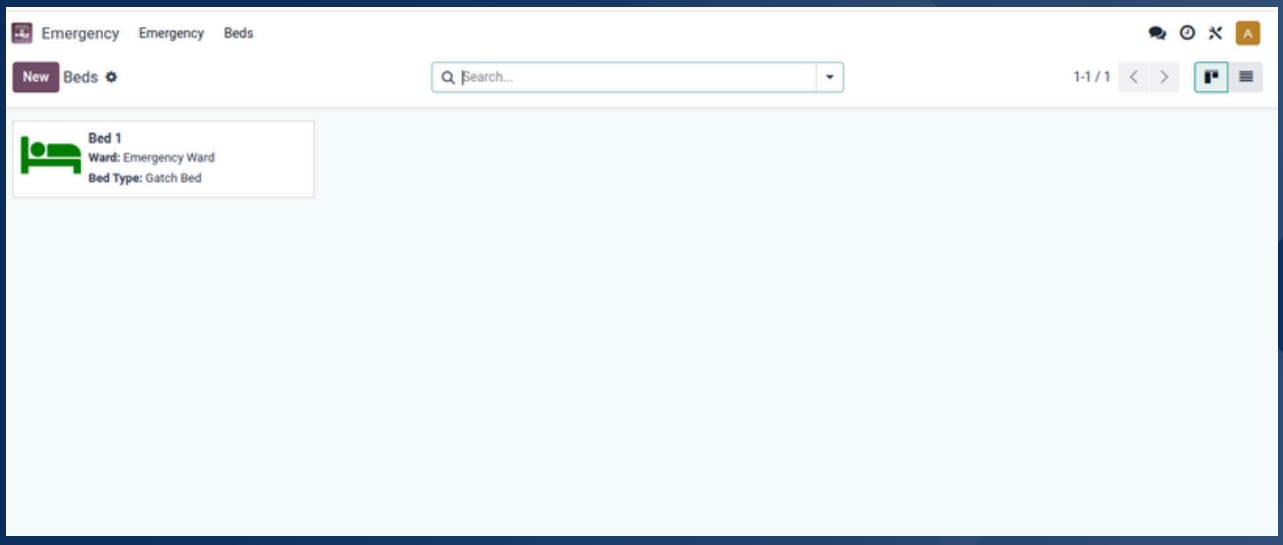
Bed Status Dashboard

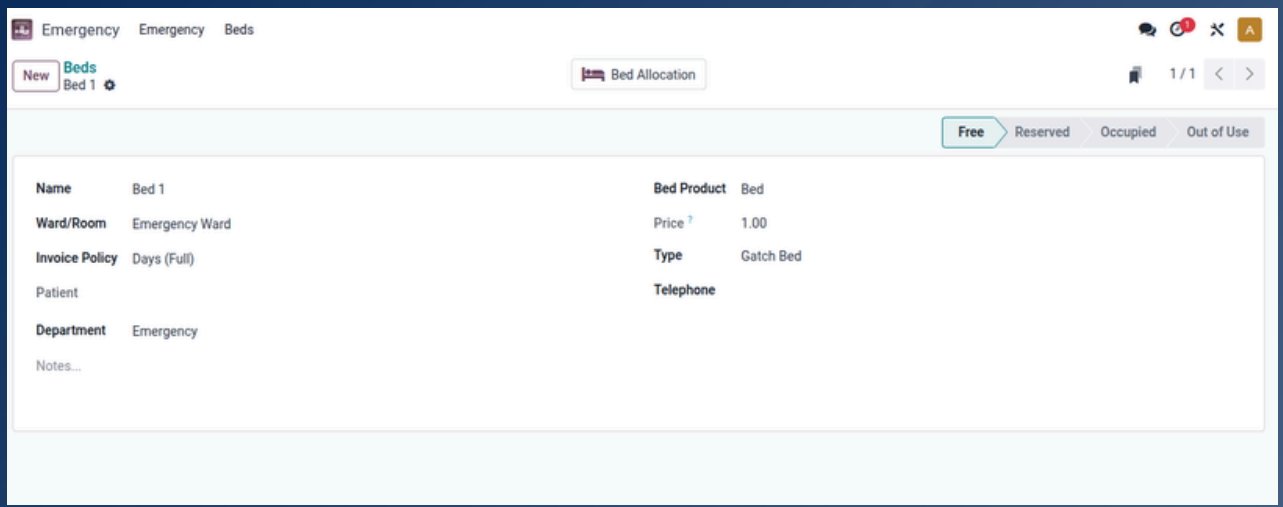
Real-time tracking of:

- Bed types (Gatch Bed)
- Ward assignments (Emergency Ward)
- Availability alerts

Priority-Based Allocation

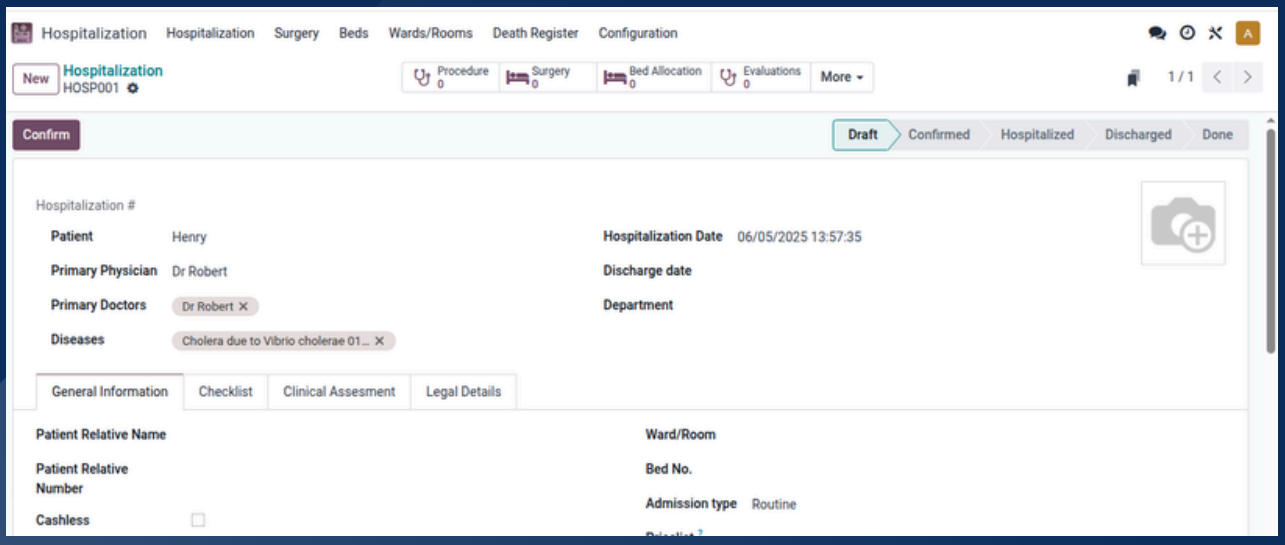
Automated bed assignment by case severity

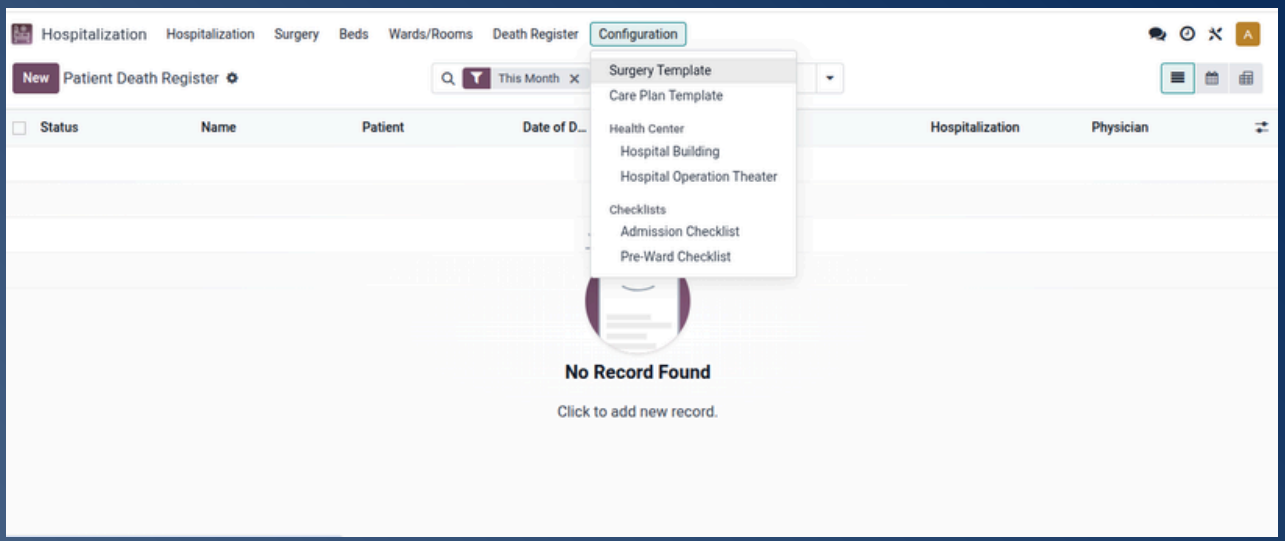




5. HOSPITALIZATION

Our Hospitalization Module provides complete visibility and control over inpatient workflows, integrating clinical, administrative, and financial operations for seamless patient care transitions.





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STRUCTURED ADMISSION PROCESS

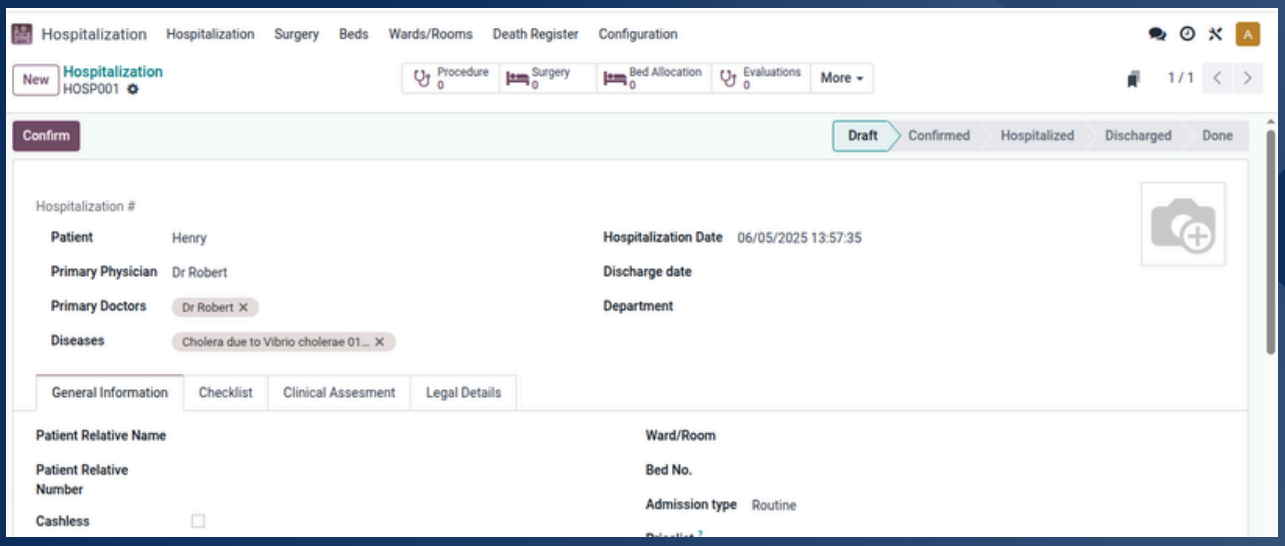
Automated Case Tracking

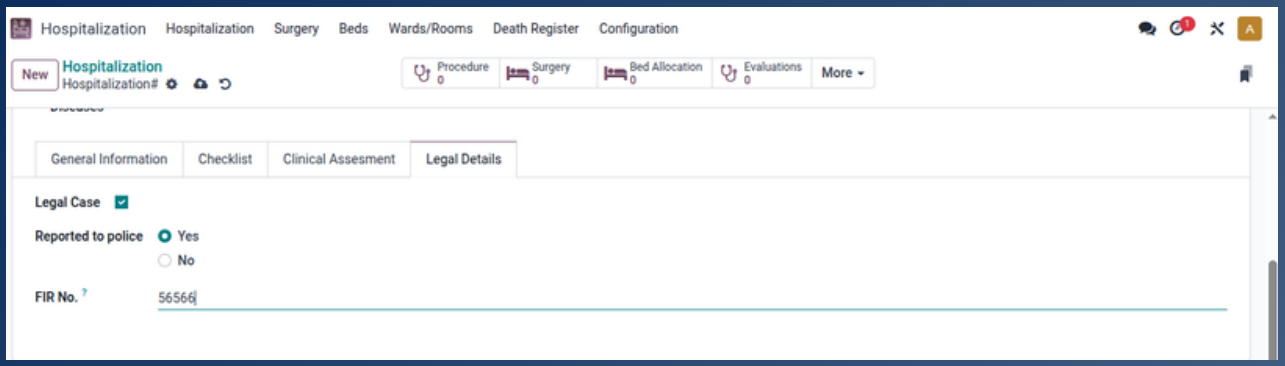
Unique hospitalization IDs (HOSP001) with:

- Patient-physician assignment (Henry → Dr. Robert)
- Diagnosis documentation (Cholera due to Vibrio cholerae)

Legal & Administrative Compliance

- Relative contact tracking
- Cashless treatment authorization
- Departmental bed assignment (R1/R2 wards)





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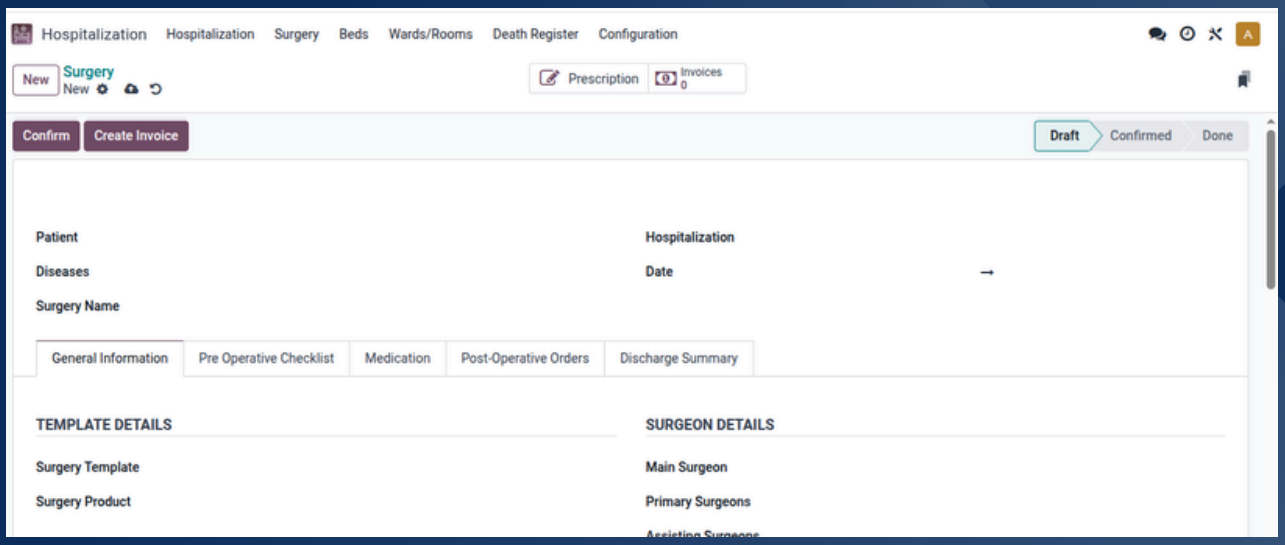
SURGICAL WORKFLOW INTEGRATION

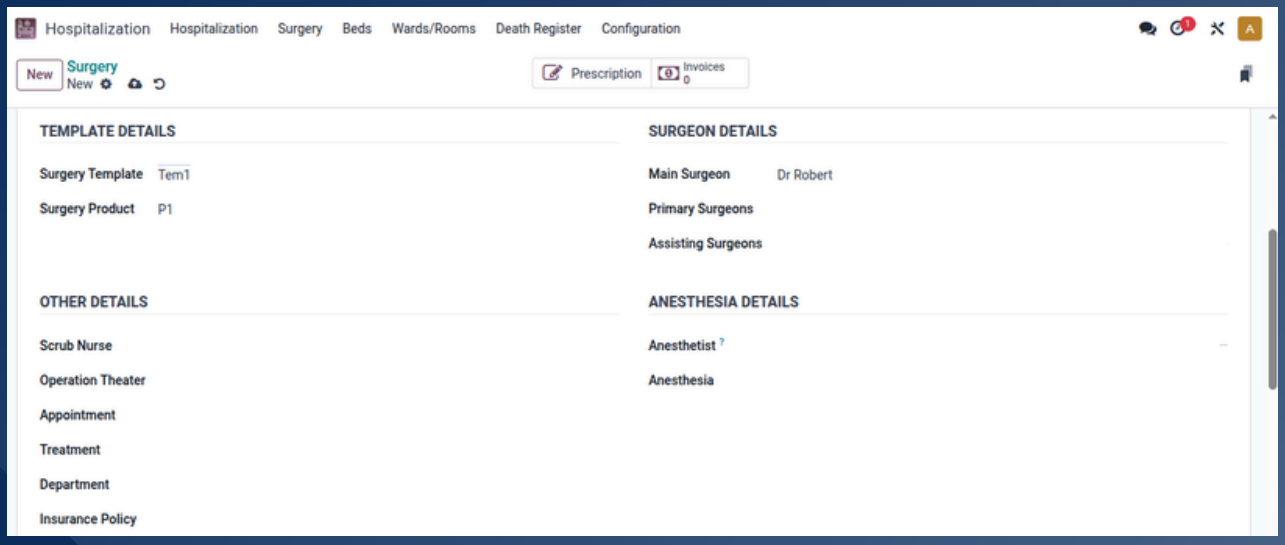
End-to-End Surgery Management

- Pre-op checklists → Post-op orders → Discharge summaries
- Surgeon team assignments (Primary/Assisting)

Resource Allocation

- Surgery-specific bed reservations
- Template-driven procedure documentation





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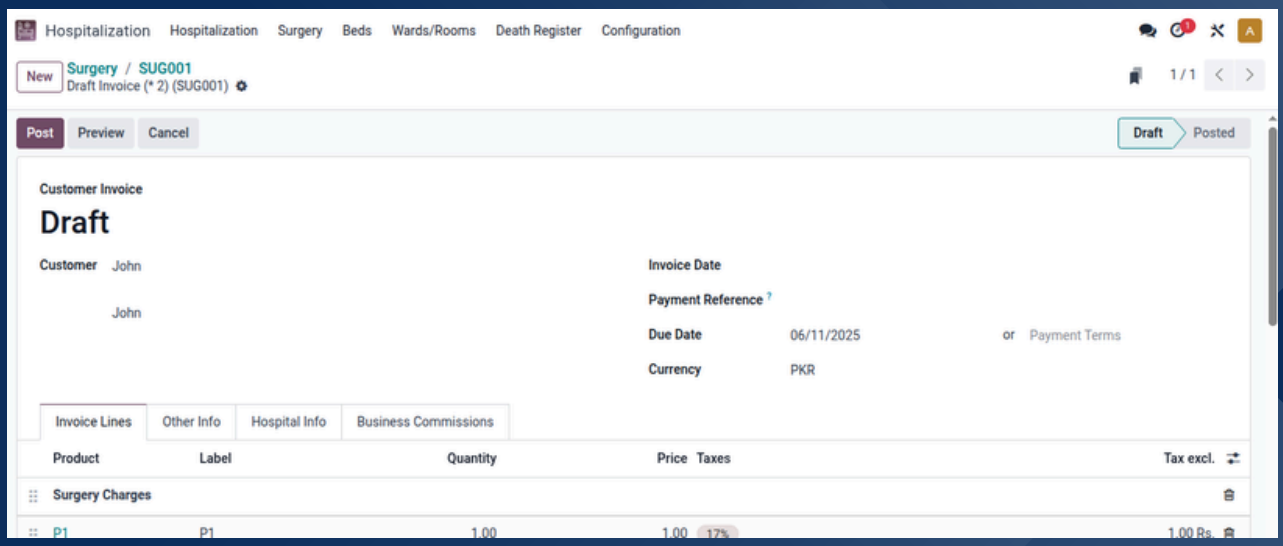
FINANCIAL & BILLING AUTOMATION

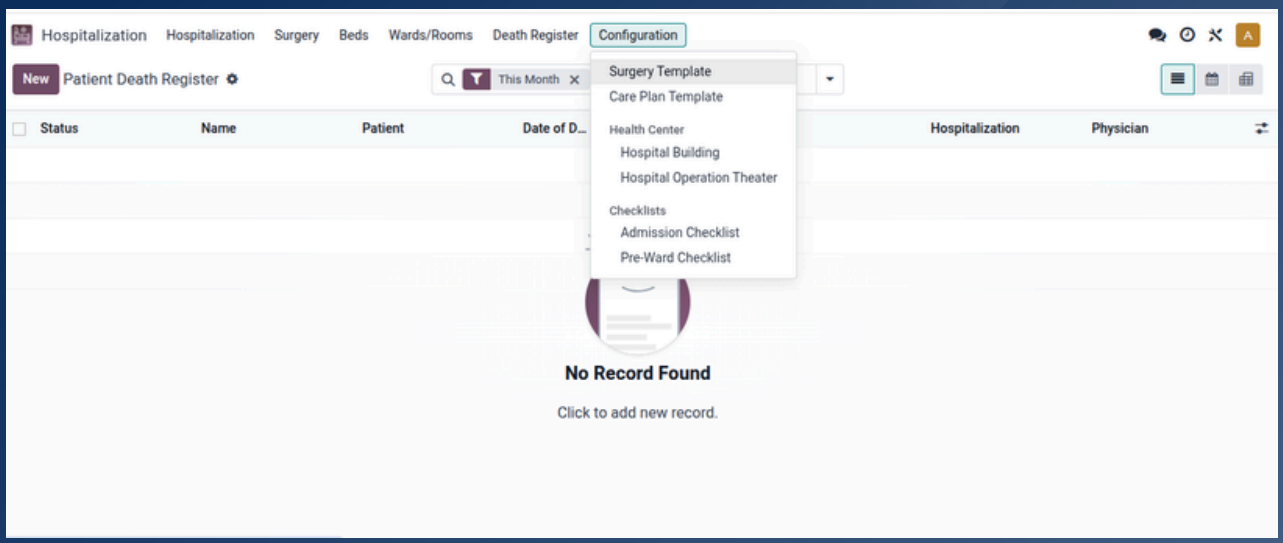
Real-Time Cost Tracking

- Prescription-to-invoice synchronization
- Automated discharge billing triggers

Departmental Charge Capture

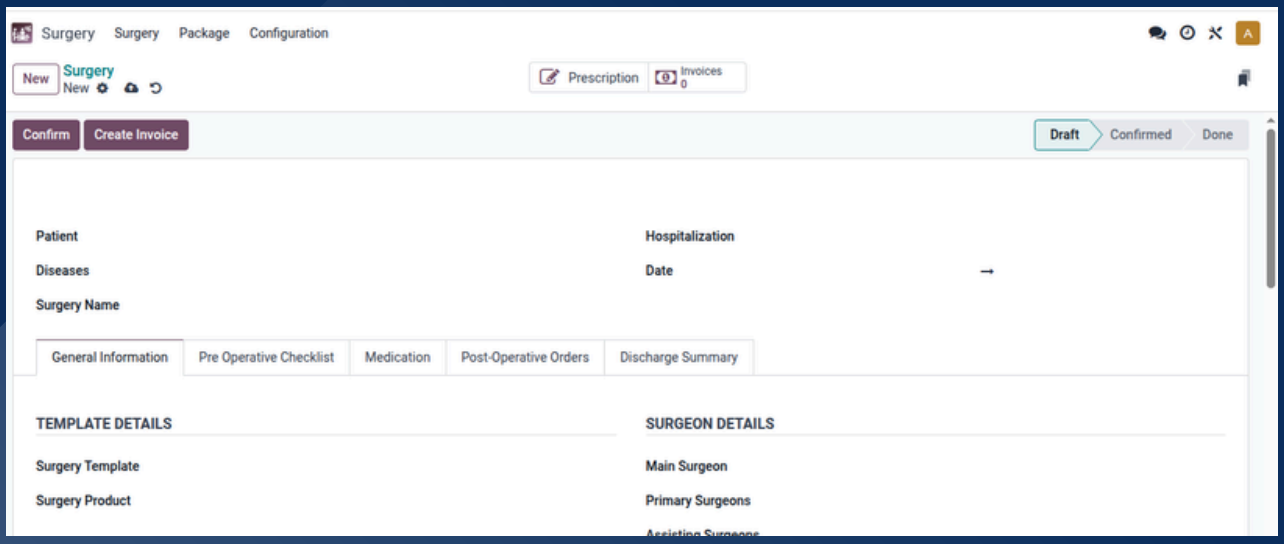
- Room/ward fees
- Surgical procedure costing

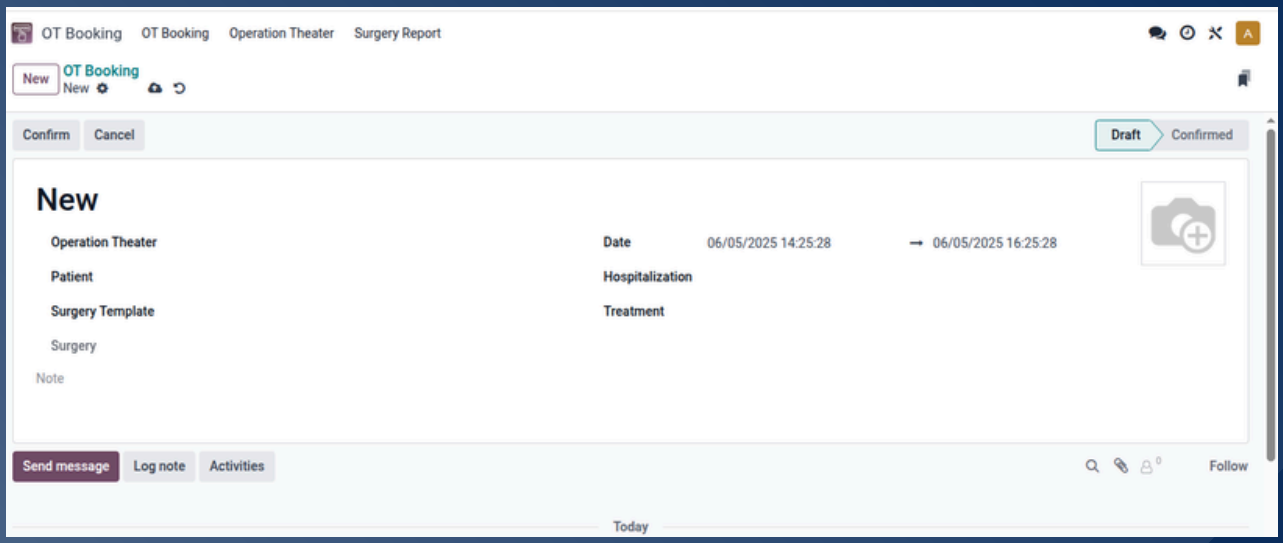




6. SURGERY & OT BOOKING

Our Surgery & OT Booking system delivers military-grade coordination from pre-op planning to post-op recovery, integrating all stakeholders through a single command center.





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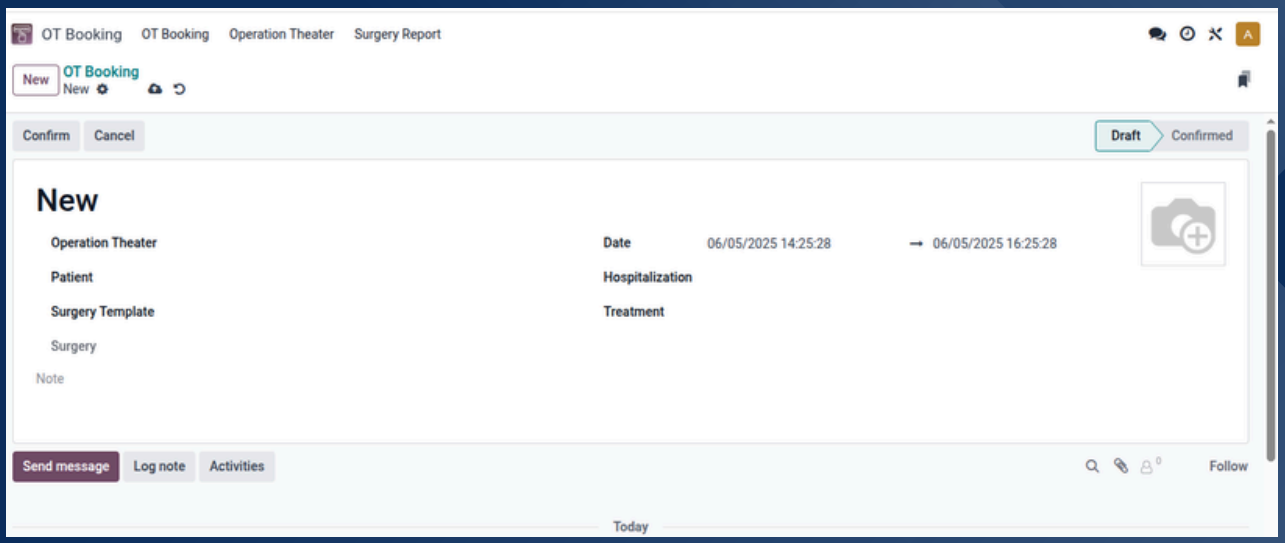
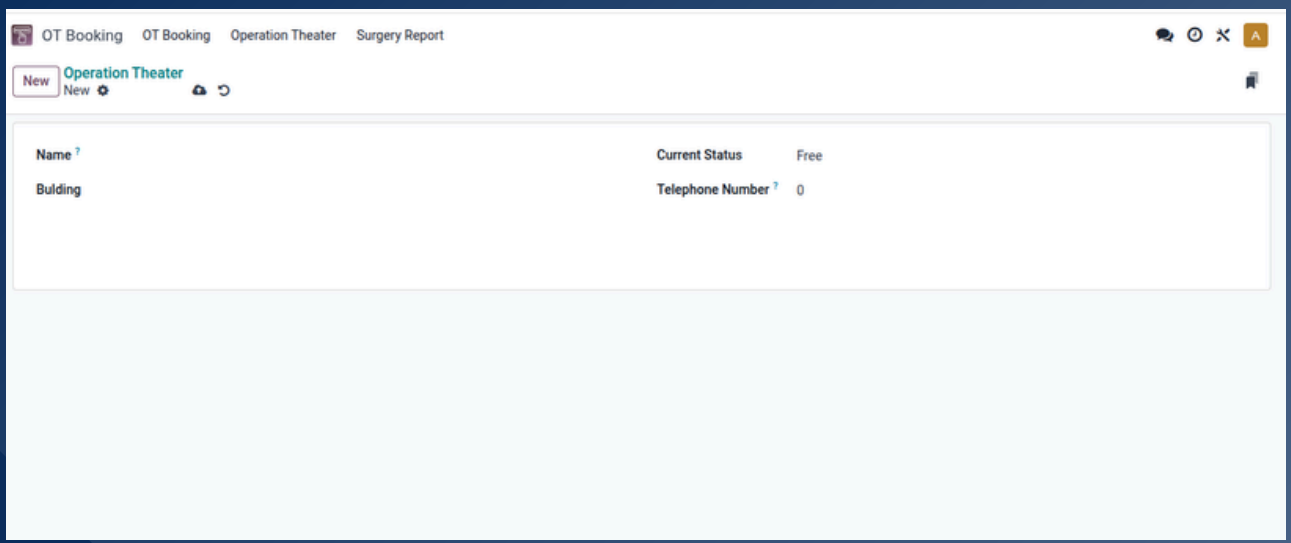
INTELLIGENT OT SCHEDULING

Real-Time Theater Status
Color-coded availability tracking (Free/Occupied)

Block Scheduling
- 2-hour procedure windows (14:25-16:25)
- Building/floor-level resource mapping

Automated Cascading Alerts
- Surgeon notifications
- Equipment prep triggers





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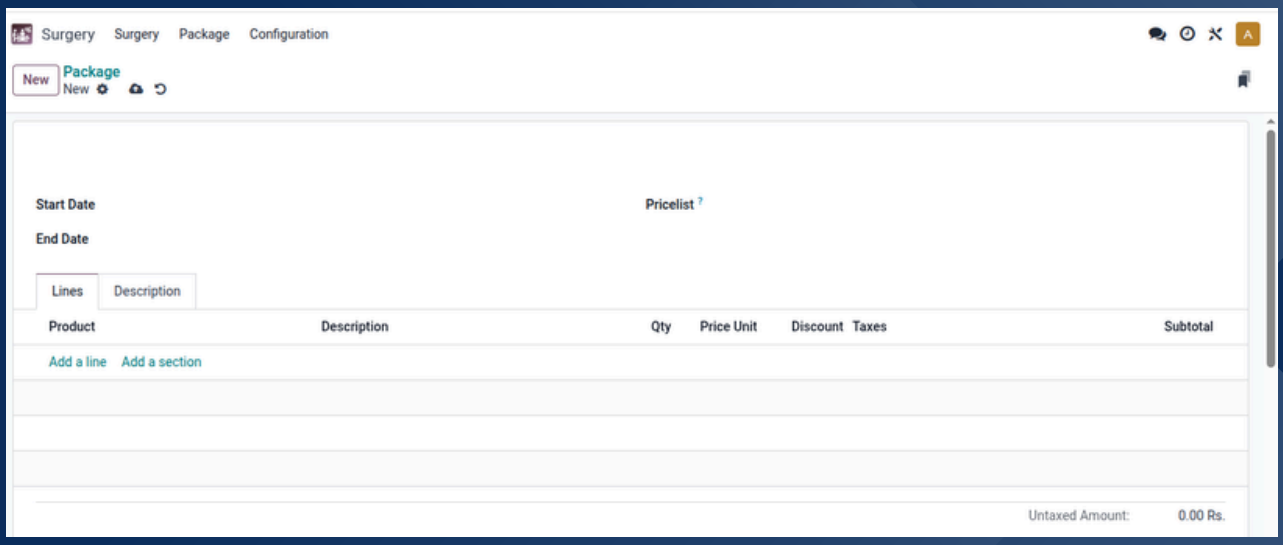
SURGICAL PACKAGE CONFIGURATION

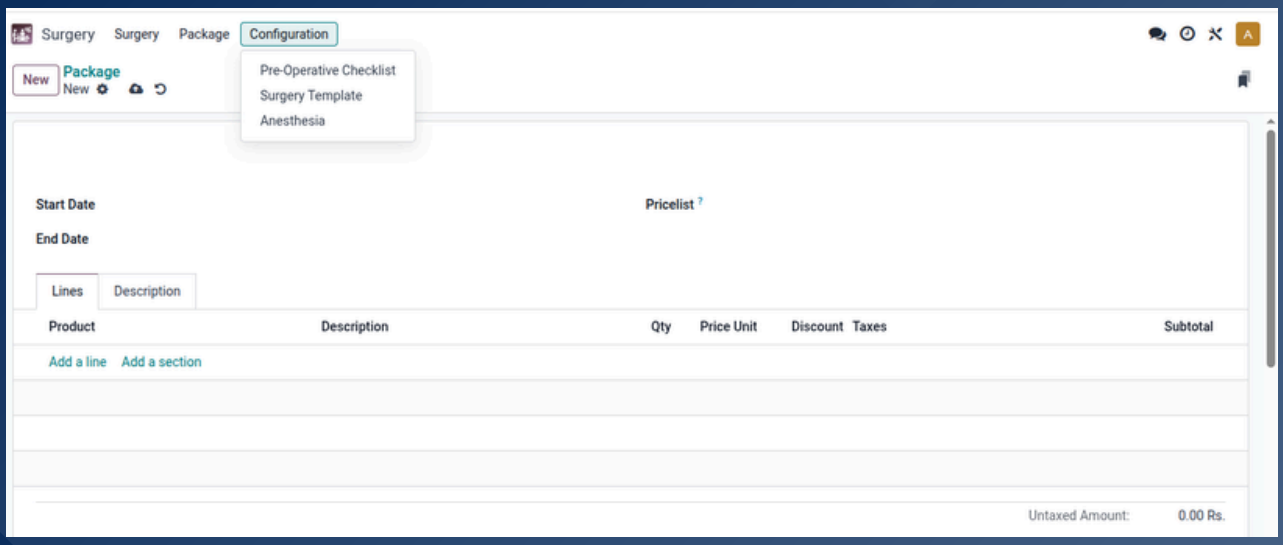
Procedure Templating

- Pre-packaged surgery kits (Product/Description lines)
- Anesthesia protocol integration

Financial Precision

- Line-item costing (Qty/Price Unit/Discounts)
- Real-time subtotal calculations (0.00 Rs untaxed)





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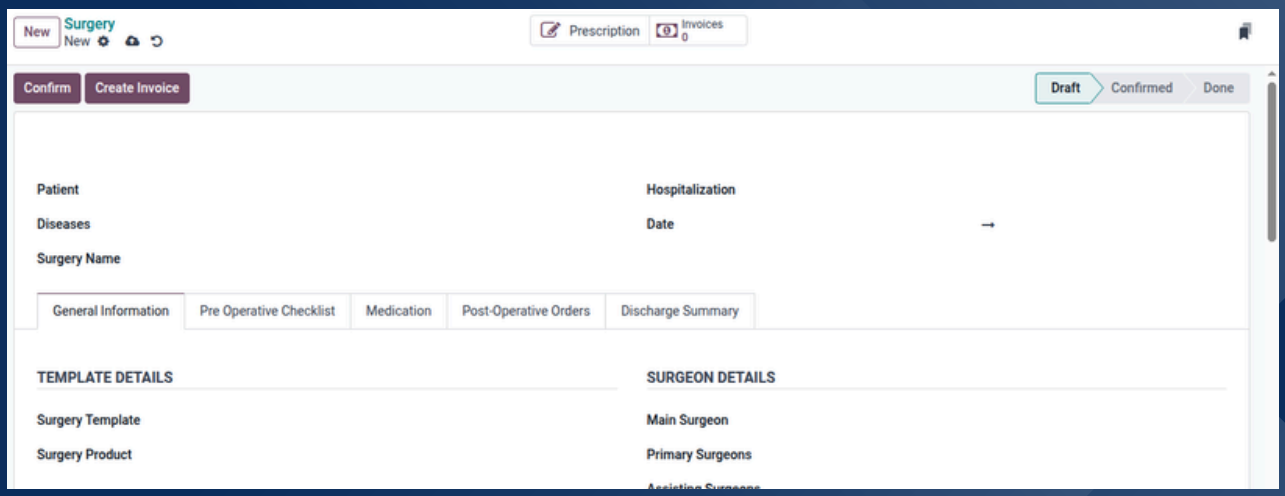
END-TO-END CASE MANAGEMENT

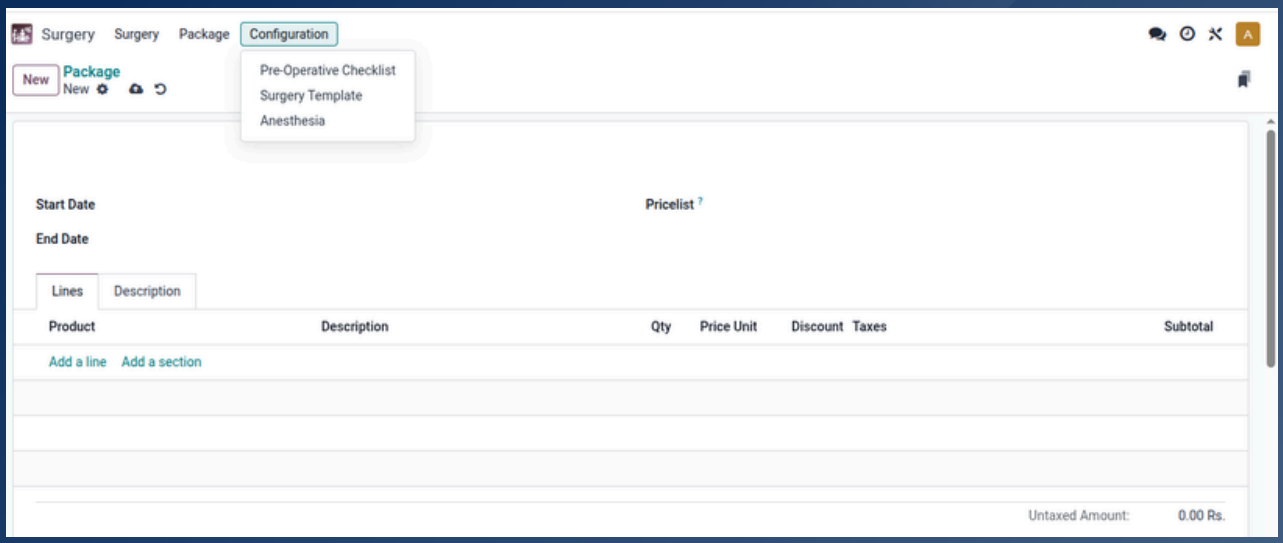
Pre-Op → Op → Post-Op Continuity

- Checklist compliance tracking
- Nursing handoff automation
- Discharge medication reconciliation

Team Synchronization

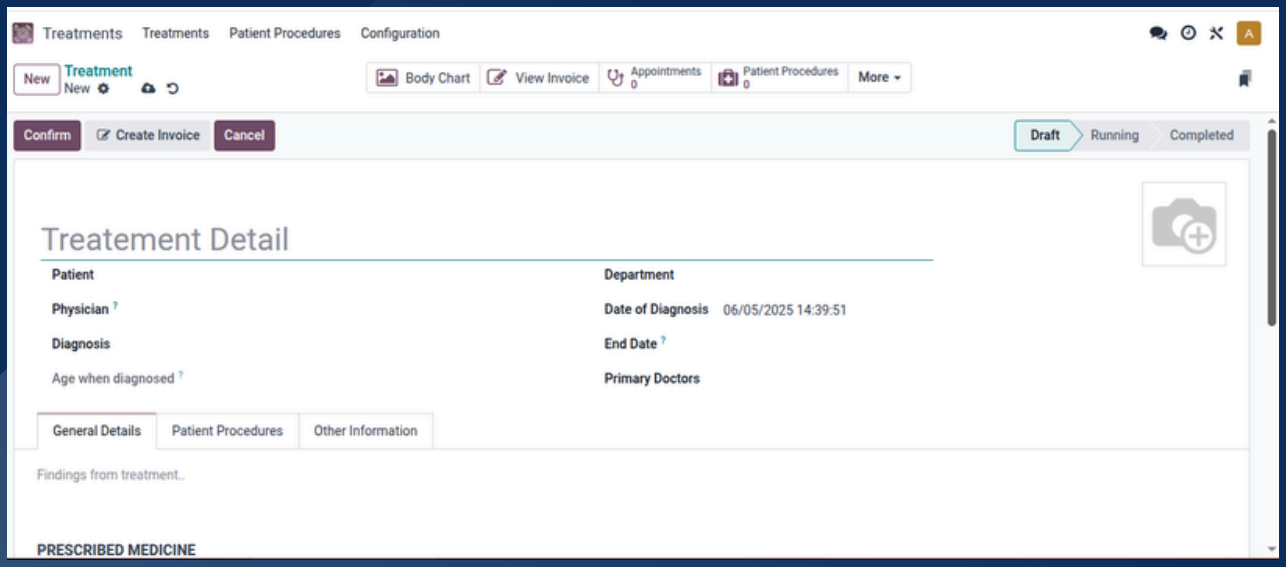
- Primary/assisting surgeon assignment
- Anesthesiologist availability checks

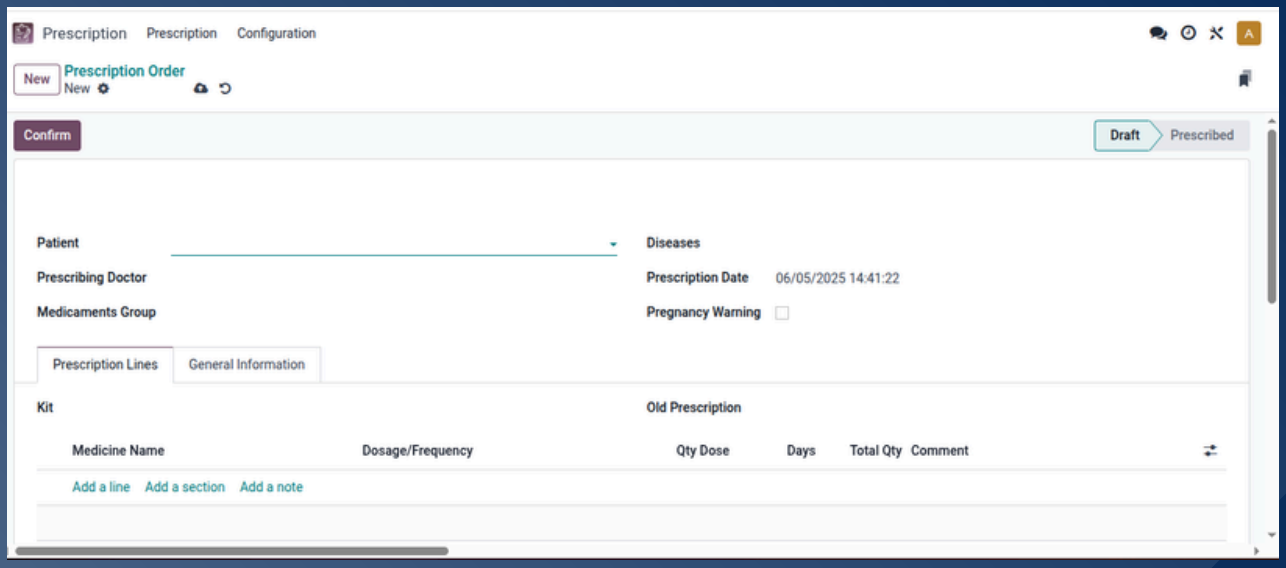




7. TREATMENTS & PRESCRIPTIONS

Our Treatment & Prescription system creates an unbroken clinical chain from diagnosis to drug administration, powered by real-time decision support and automated safety checks.





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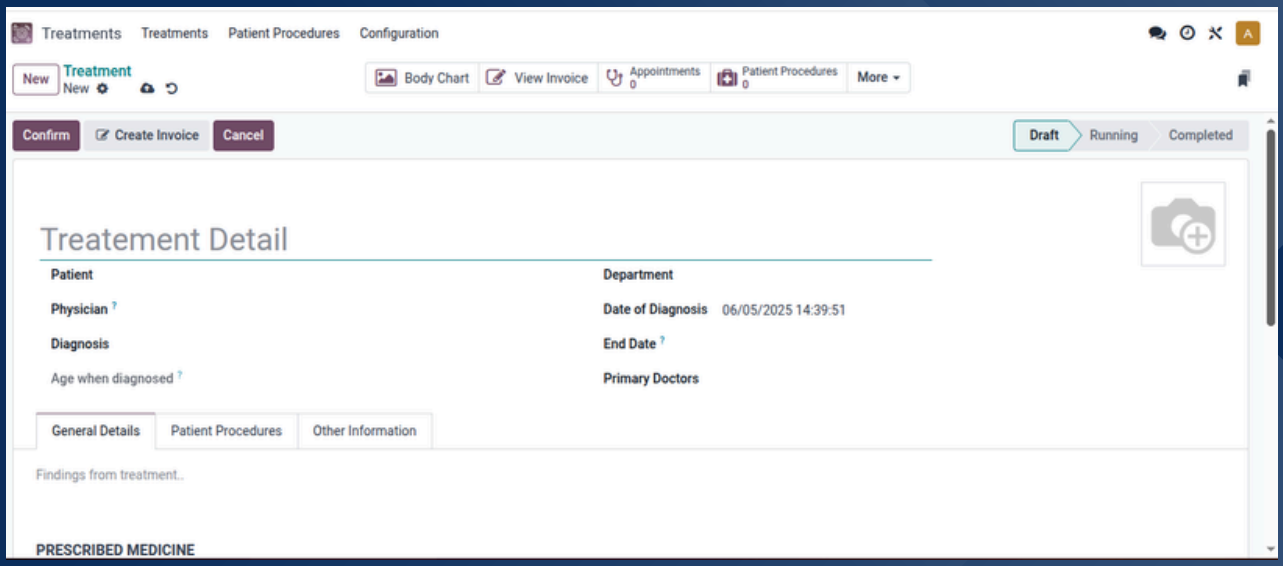
STRUCTURED TREATMENT PROTOCOLS

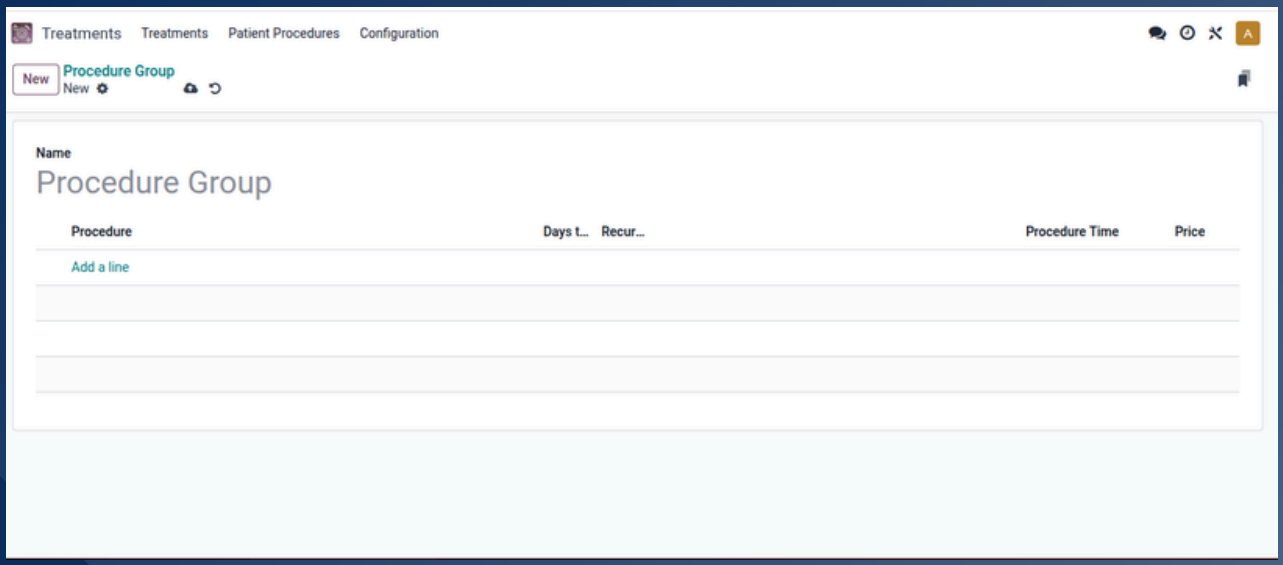
Procedure Standardization

- Grouped treatment plans with duration/recurrence tracking
- Time-cost matrices for resource planning

Therapy Roadmapping

- Day-by-day regimen visualization
- Cross-departmental procedure synchronization





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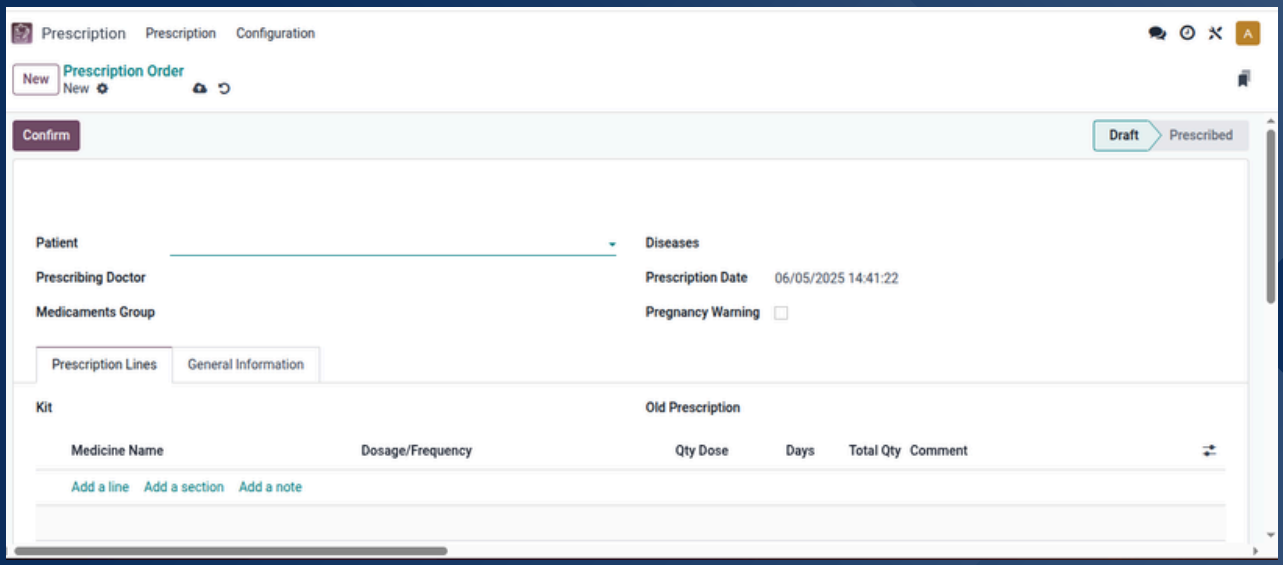
SMART PRESCRIPTION ENGINE

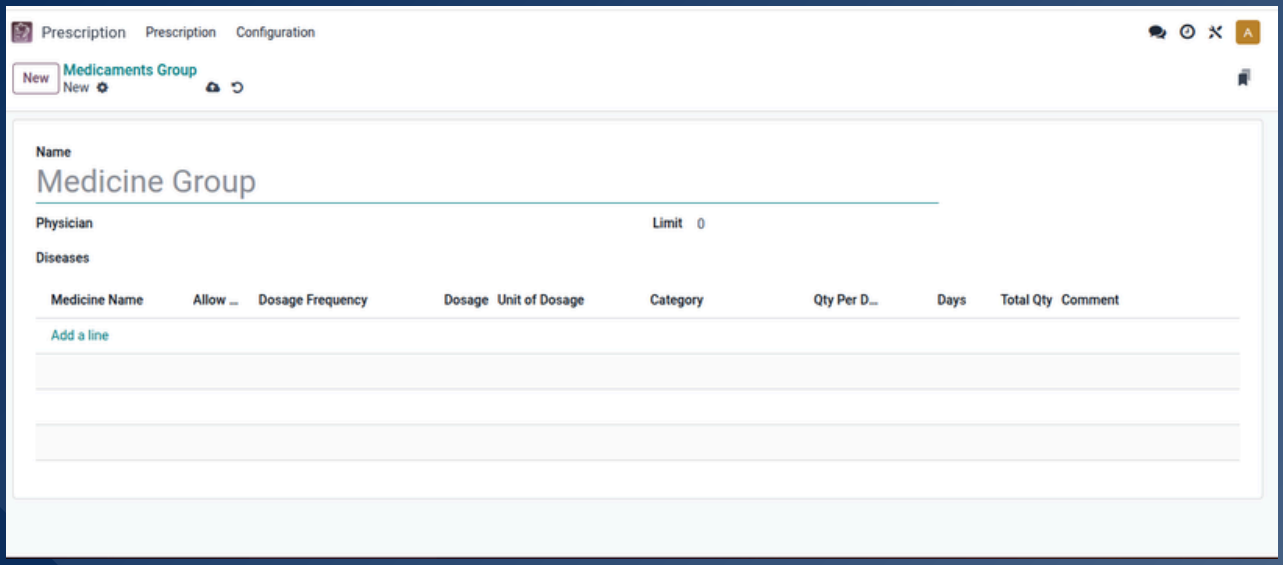
Medication Safety System

- Pregnancy/contraindication alerts
- Dosage calculators (Qty/Days/Total Qty)
- Drug-disease interaction flags

Intelligent Grouping

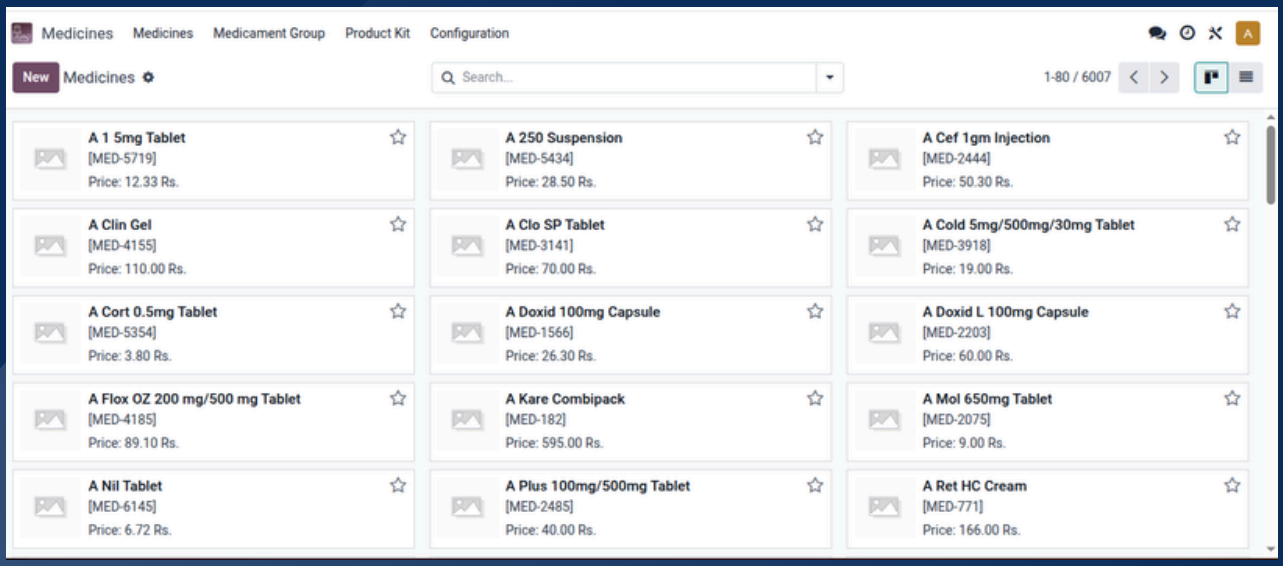
- Physician-specific formulary limits
- Condition-based medication kits

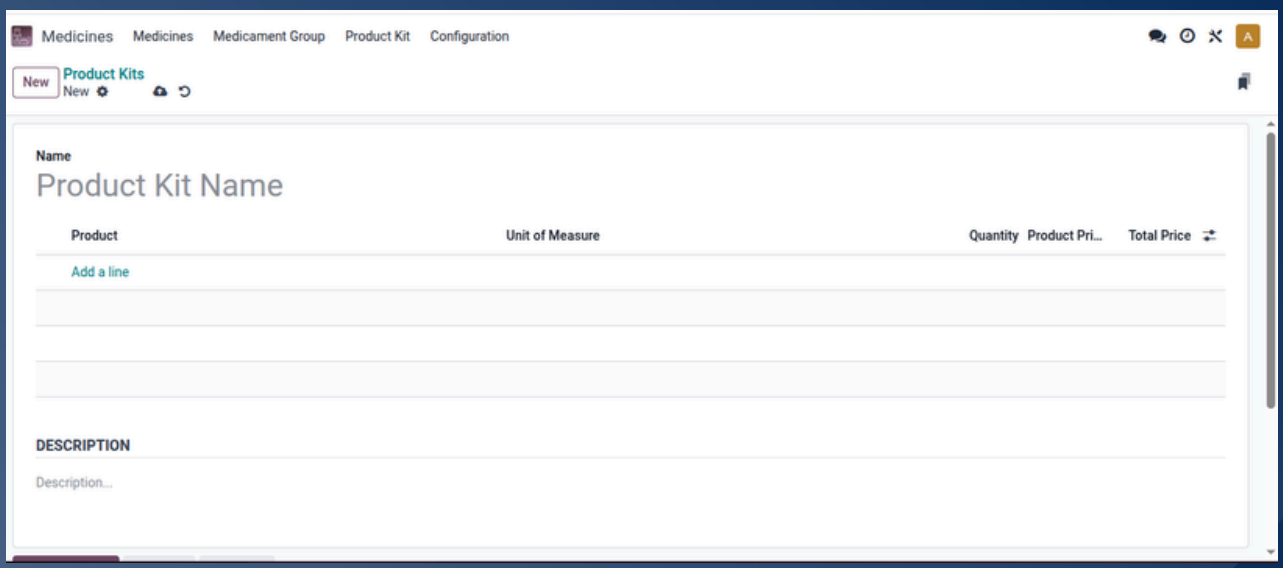




8. MEDICINES & PHARMACY

CODCrafters HMS provides a fully integrated pharmacy solution that synchronizes medication management across clinical, inventory, and financial workflows while ensuring complete medication safety.





CODCrafters

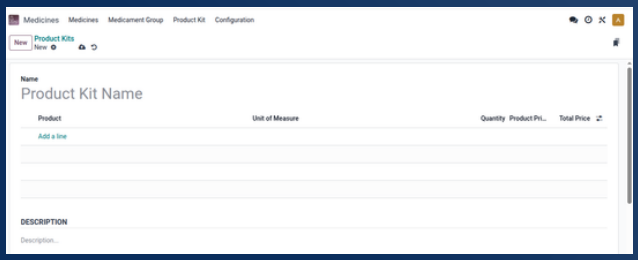
INTELLIGENT MEDICATION MASTER

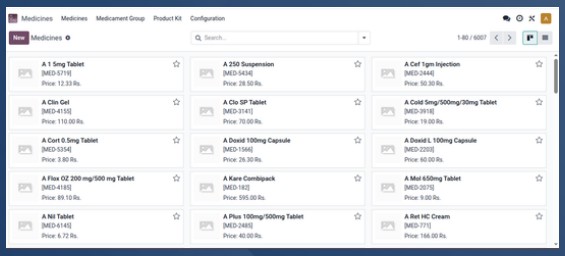
Comprehensive Drug Database

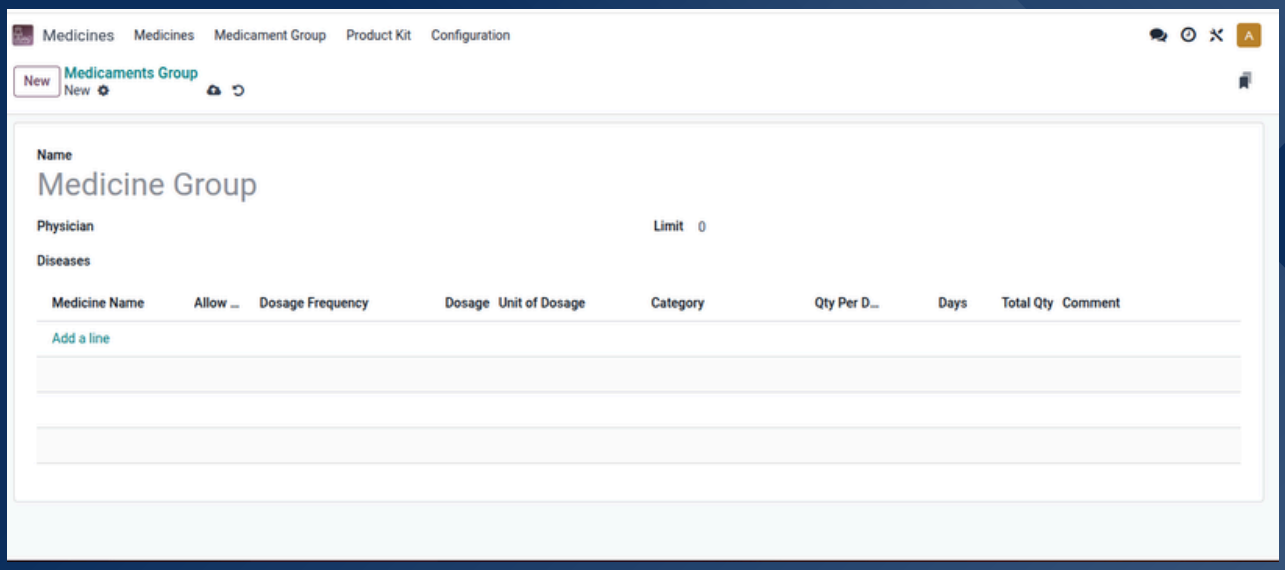
- Medications with pricing
- Formulation-specific tracking (Tablets/Injections/Creams)

Smart Cataloging

- Unique MED-codes for inventory control
- Therapeutic category tagging







CODCrafters

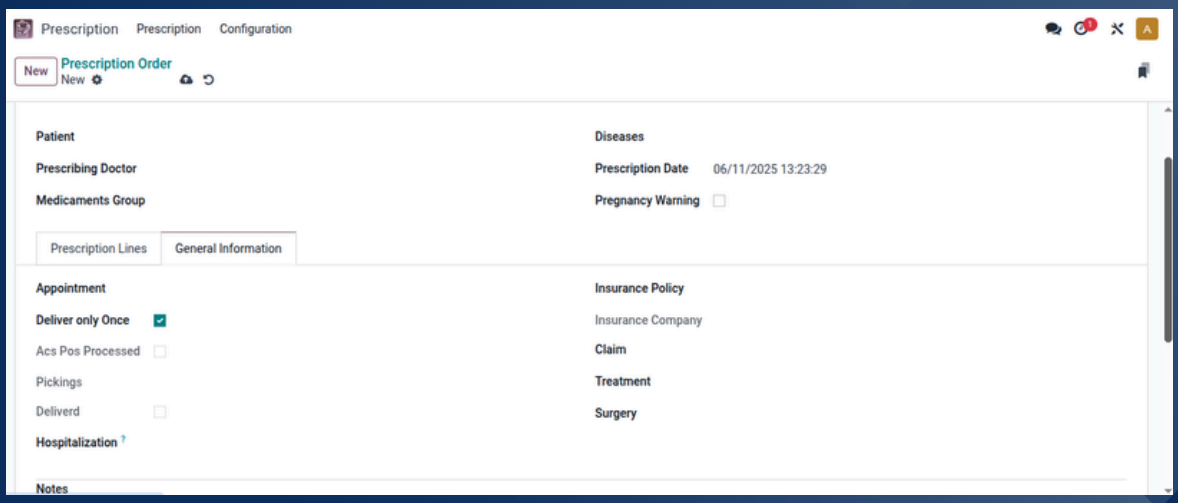
PRECISION PRESCRIPTION MANAGEMENT

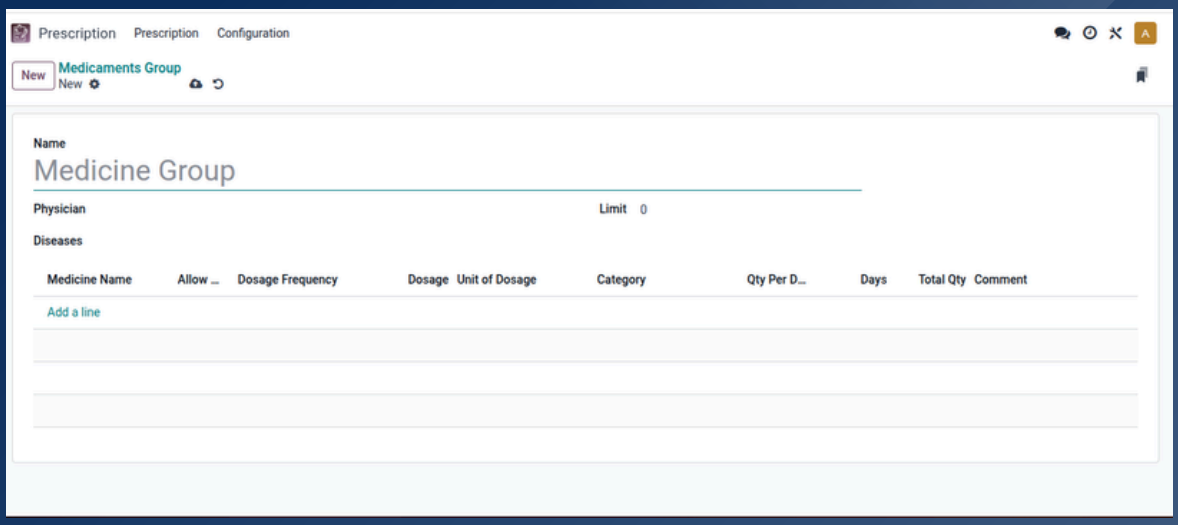
Physician Workbench

- Dose calculators (Qty/Days/Total)
- Condition-based medication grouping
- Formulary limit enforcement

Safety Protocols

- Drug-disease contraindication alerts
- Pregnancy





CODCrafters

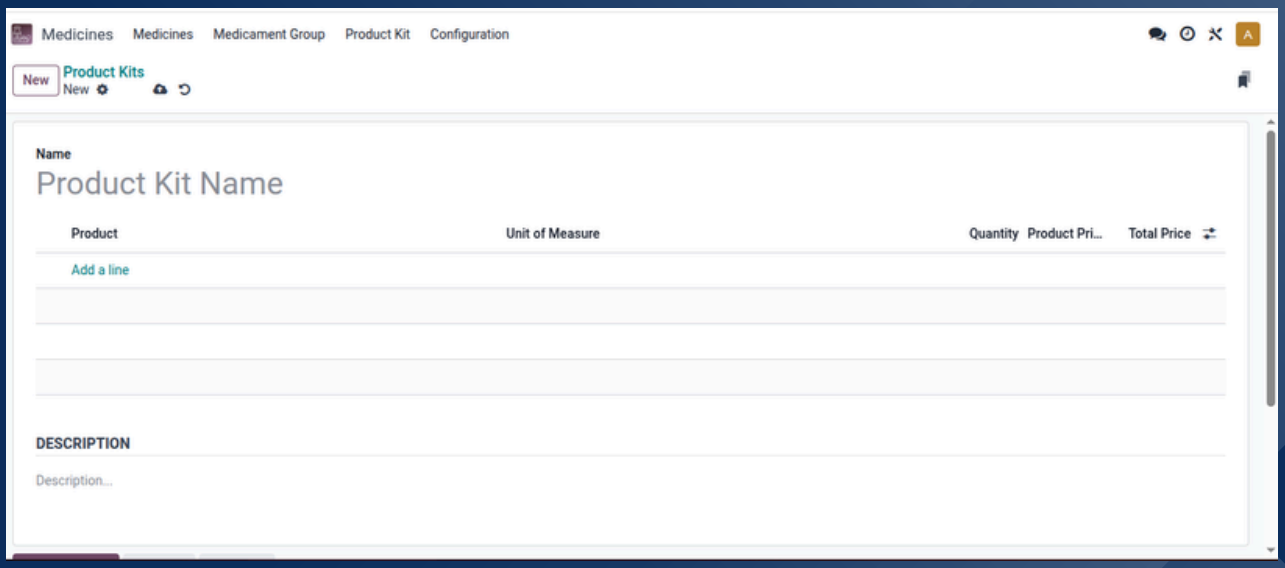
AUTOMATED PHARMACY OPERATIONS

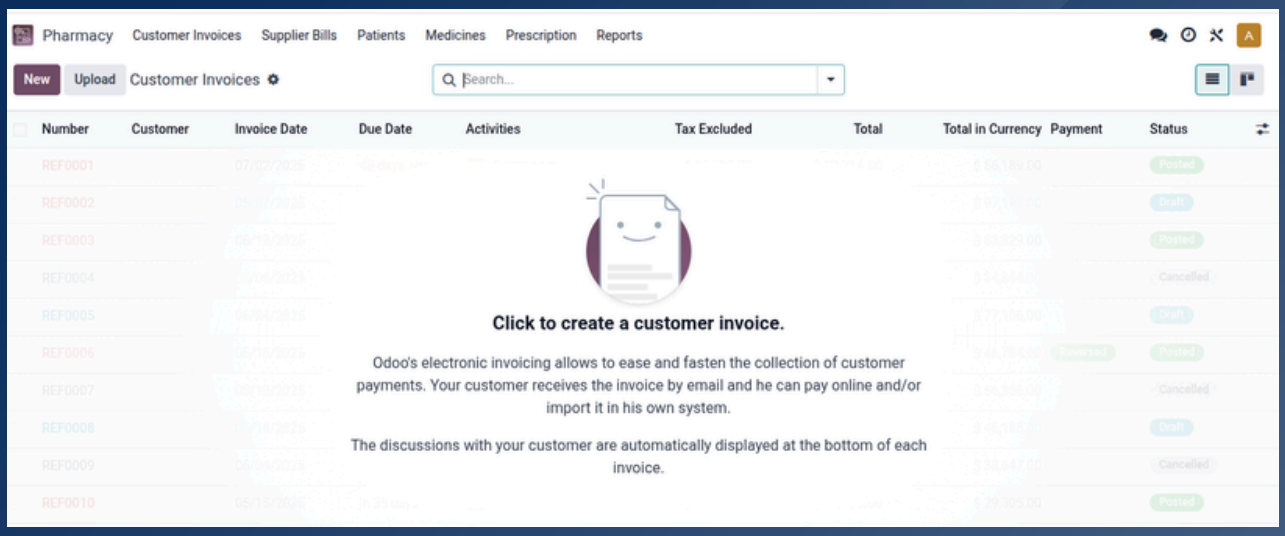
Kit Assembly

- Pre-configured treatment packages
- Batch production tracking

Seamless Billing Integration

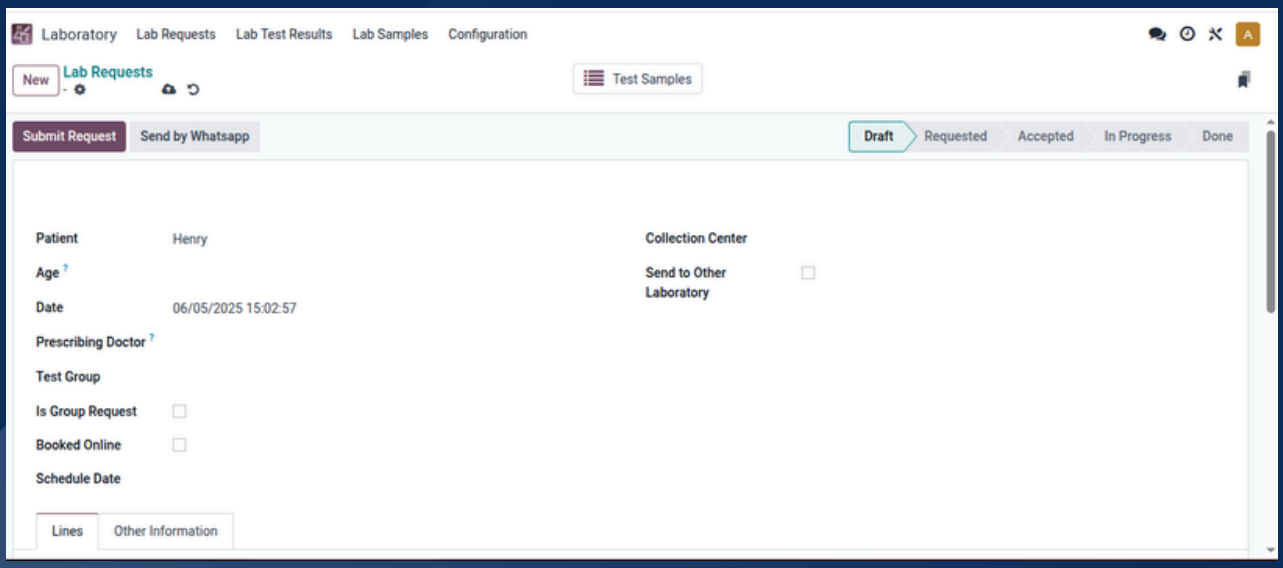
- One-click invoice generation
- Online payment reconciliation
- Insurance claim automation

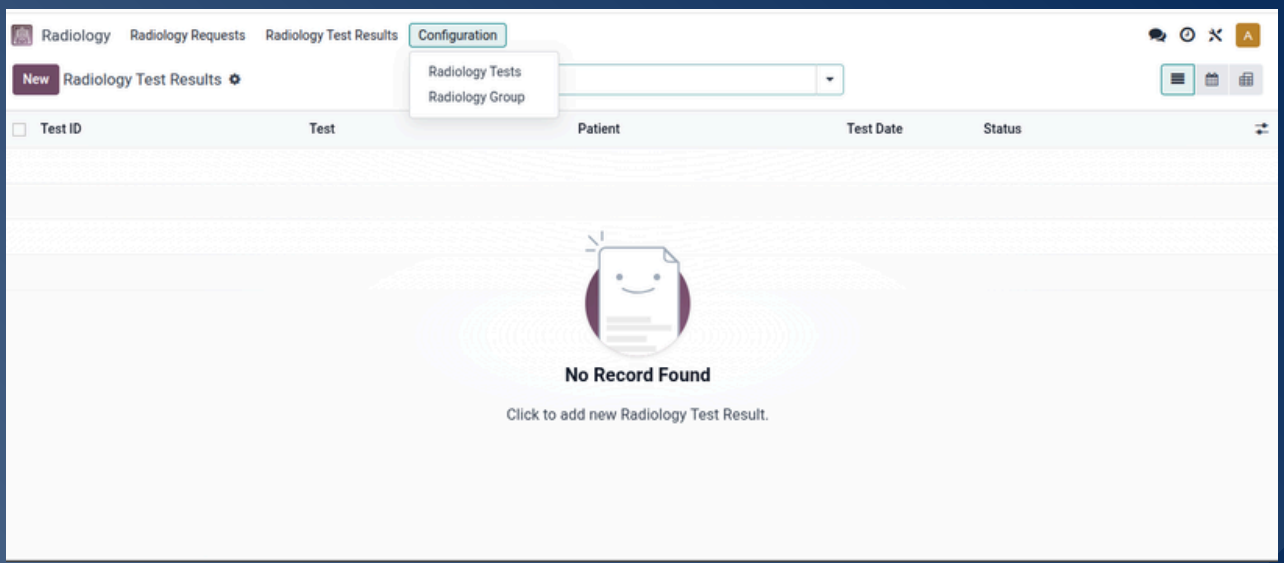




9. LABORATORY & RADIOLOGY

CODCrafters HMS delivers end-to-end diagnostic coordination, connecting test ordering, sample tracking, and result delivery into a unified clinical intelligence platform.





CODCrafters

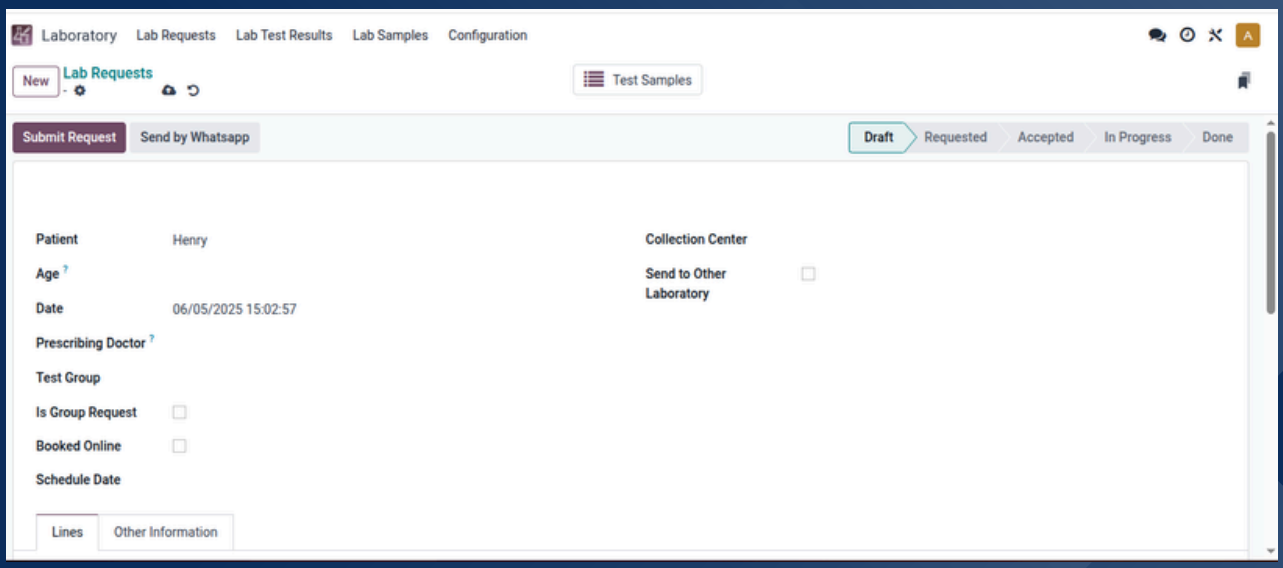
INTELLIGENT TEST ORDERING

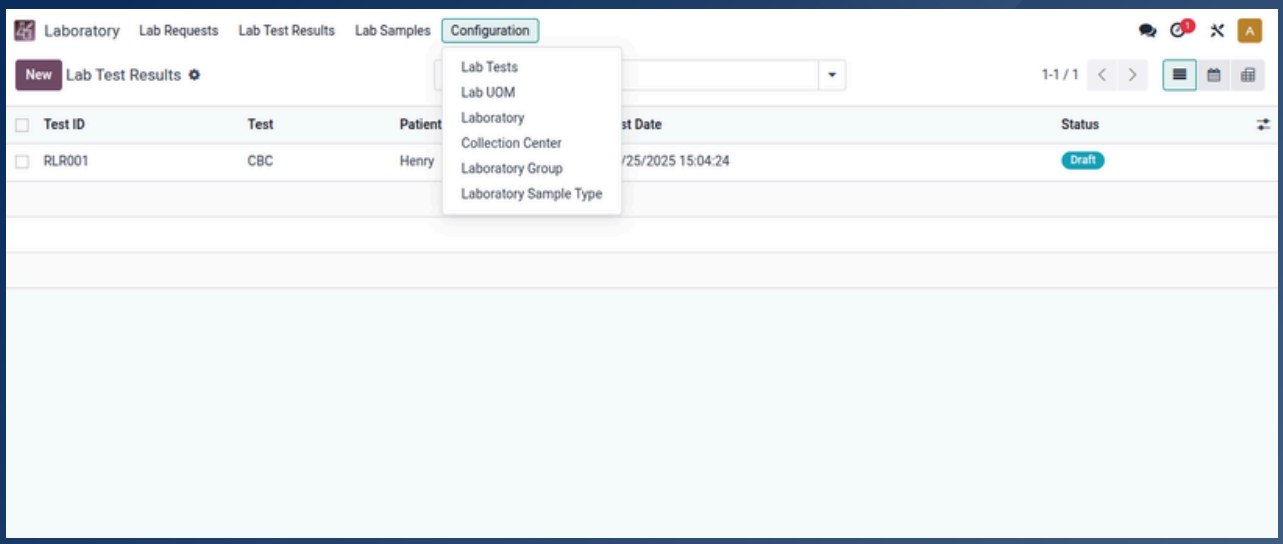
Smart Requisition

- Patient-linked requests with auto-timestamping
- Group test panels for comprehensive profiling

Multi-Channel Distribution

- WhatsApp result sharing
- External lab routing capabilities





CODCrafters

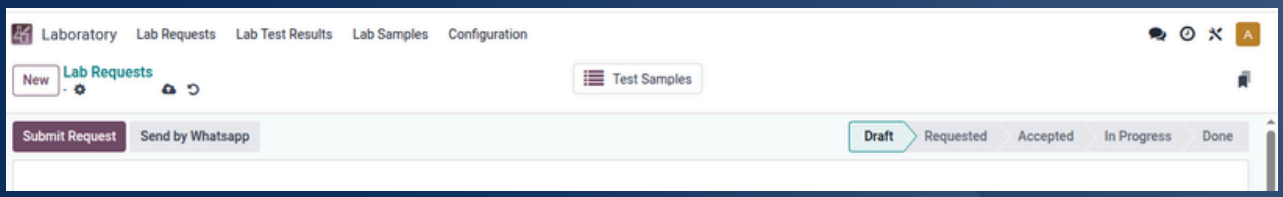
SAMPLE LIFECYCLE TRACKING

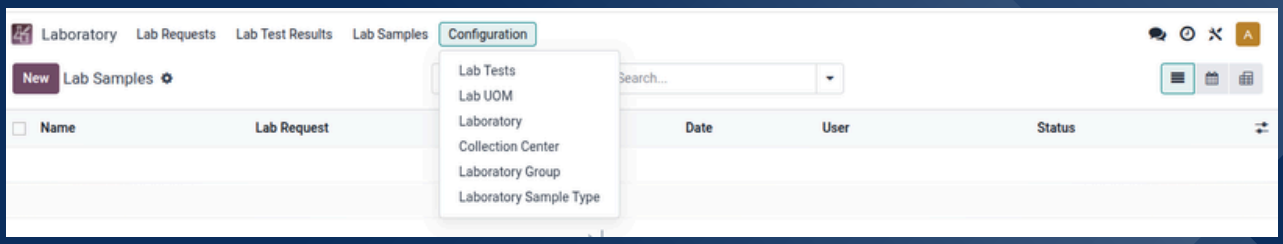
Chain of Custody

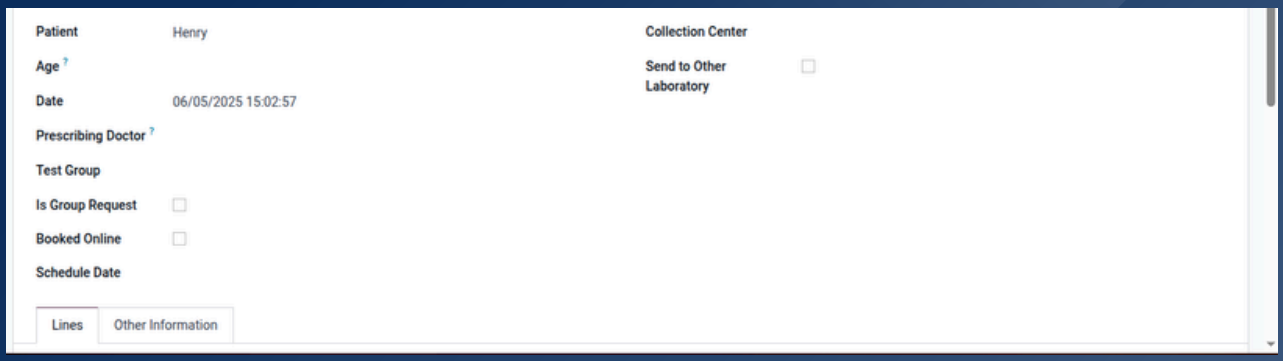
- Barcoded sample identification
- Collection center assignments

Status Visibility

- Real-time progress tracking (Pending/In-Progress/Completed)
- Technician accountability logging







CODCrafters

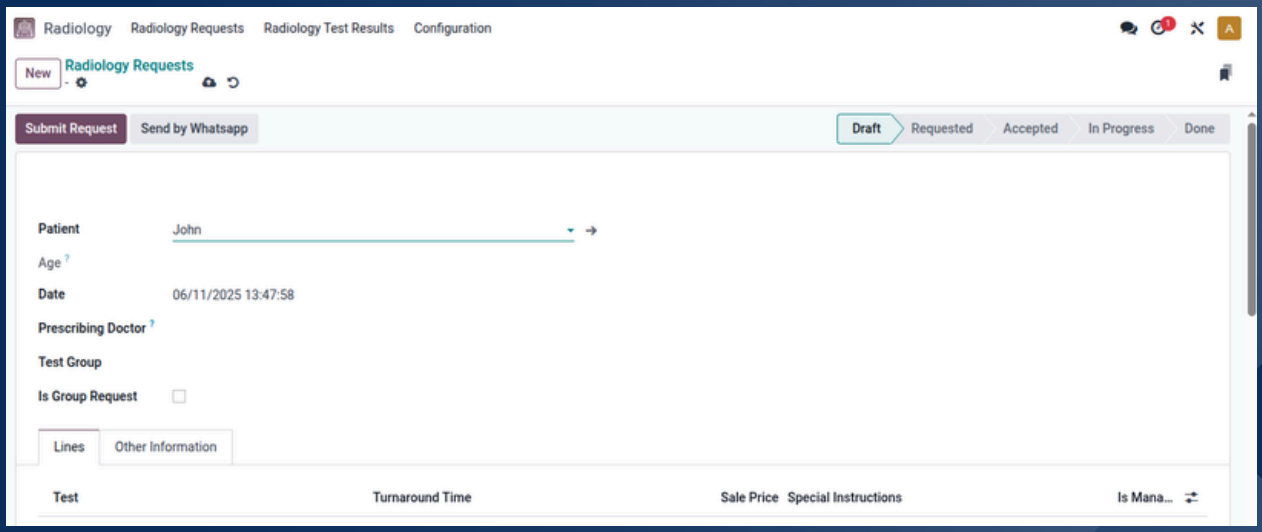
RADIOLOGY WORKFLOW AUTOMATION

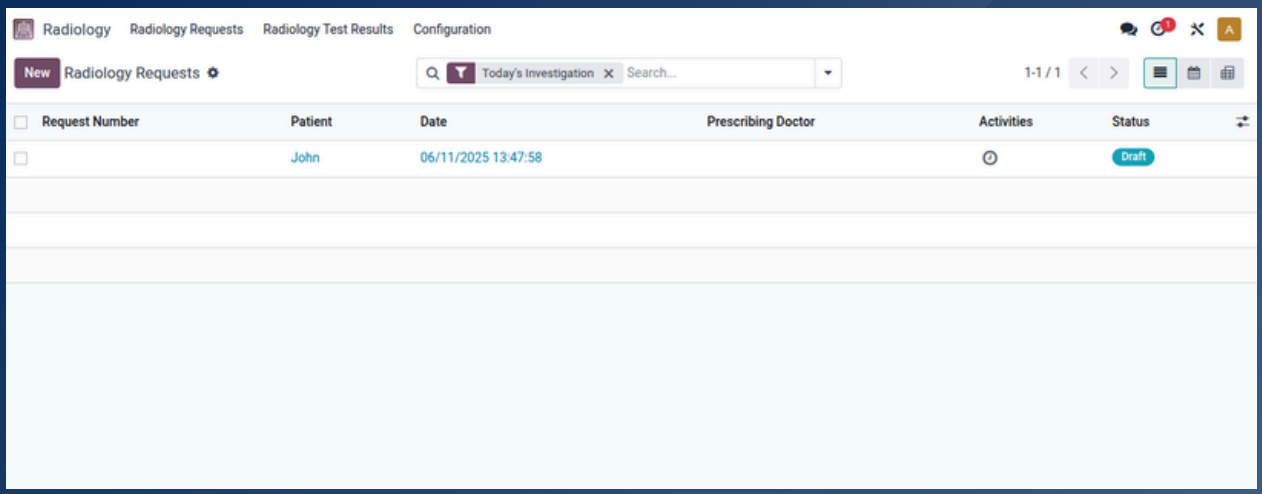
Modality-Agnostic Management

- Unified dashboard for X-ray/MRI/CT/USG
- Priority flagging for STAT cases

Structured Reporting

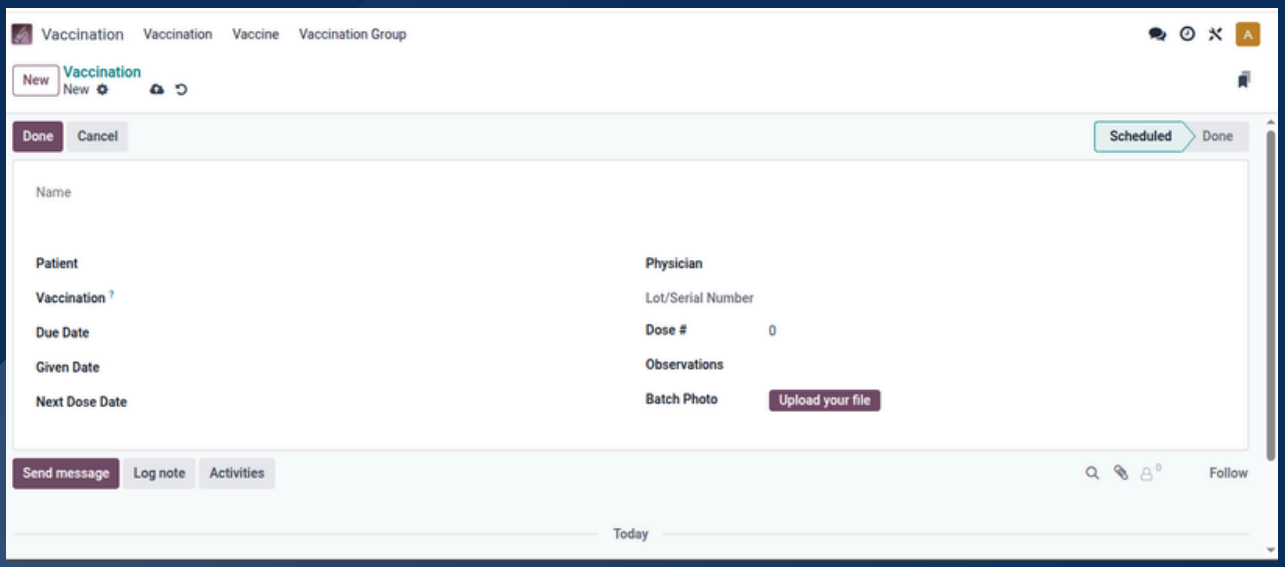
- DICOM integration with PACS
- Normal range auto-flagging





10. VACCINATION MODULE

CODCrafters HMS Vaccination Module provides end-to-end immunization management, ensuring complete vaccine coverage through intelligent scheduling, documentation, and recall systems.



CODCrafters

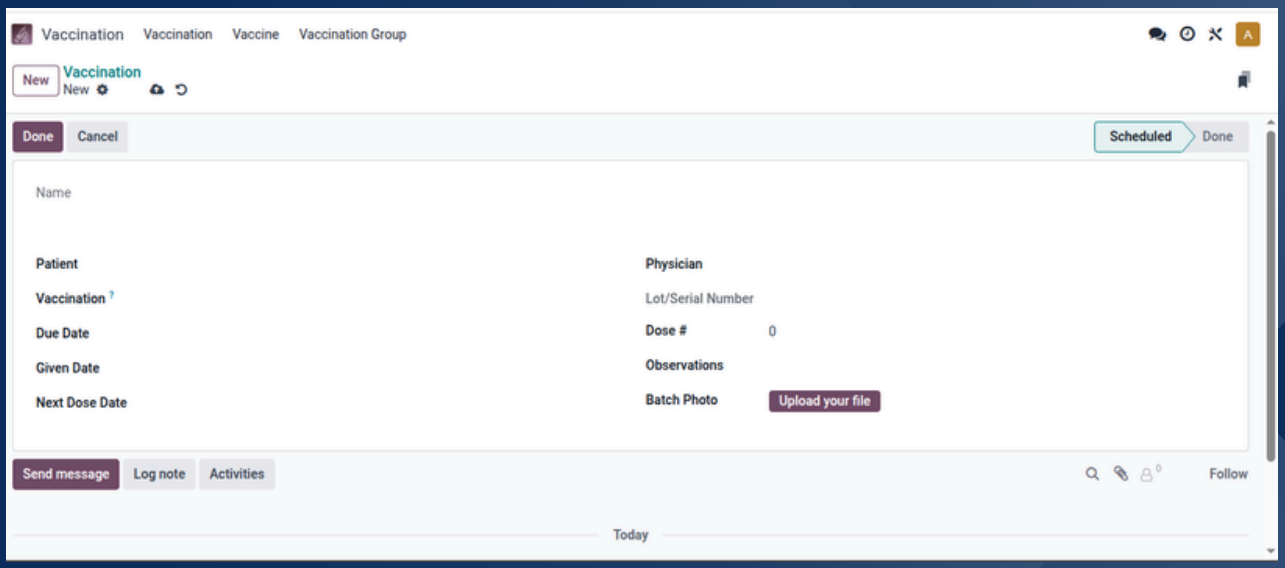
PATIENT IMMUNIZATION RECORDS

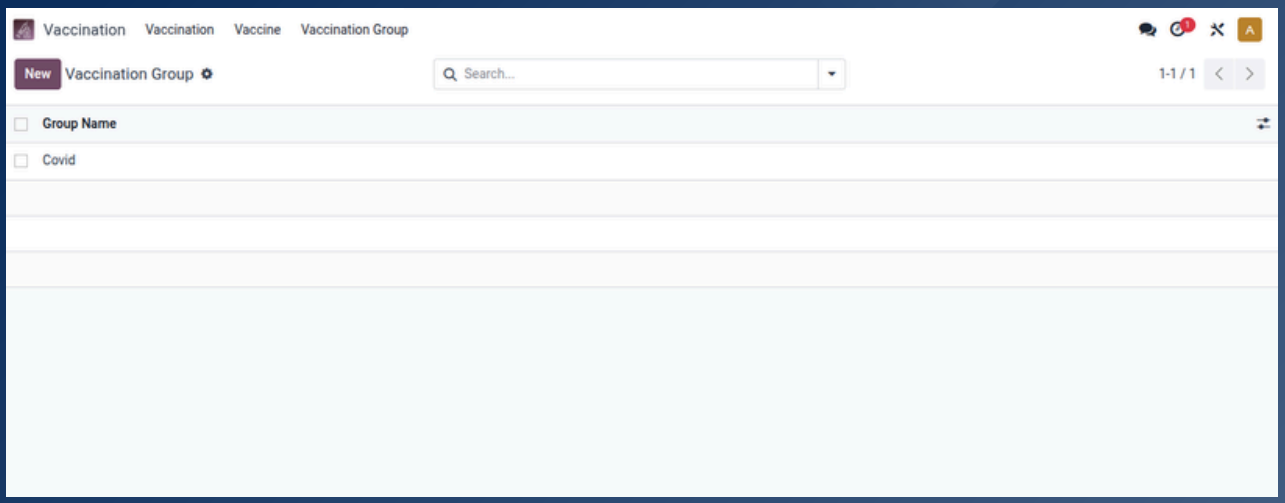
Complete Vaccine History

- Dose-level tracking (Dose #0 → Next Dose Date)
- Lot/batch documentation for traceability

Multi-Media Documentation

- Batch photo upload capability
- Clinical observation logging





CODCrafters

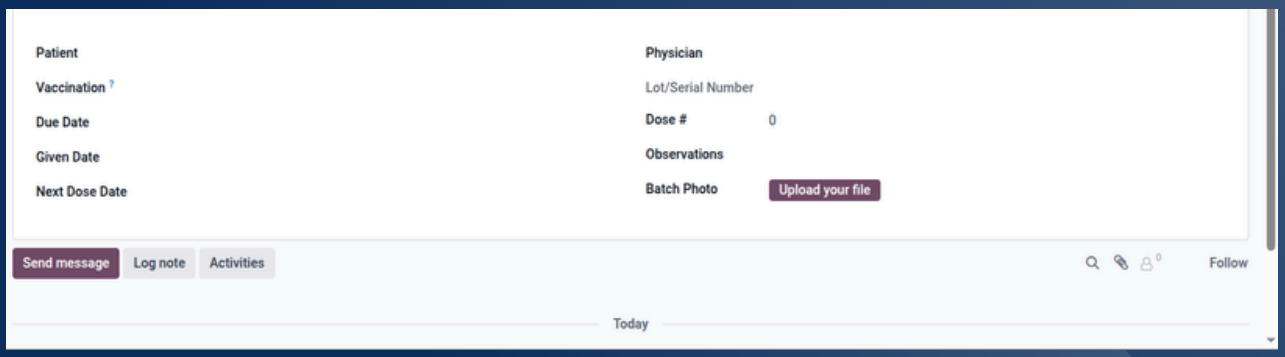
INTELLIGENT SCHEDULING SYSTEM

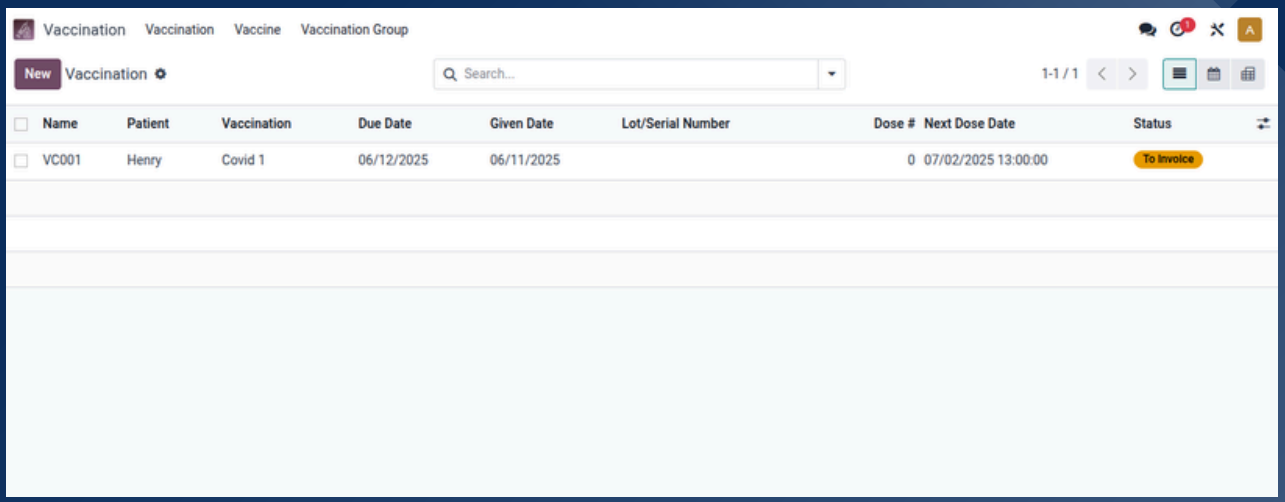
Automated Dose Calculation

- Due Date/Given Date/Next Dose tracking
- Age-specific regimen enforcement

Multi-Channel Reminders

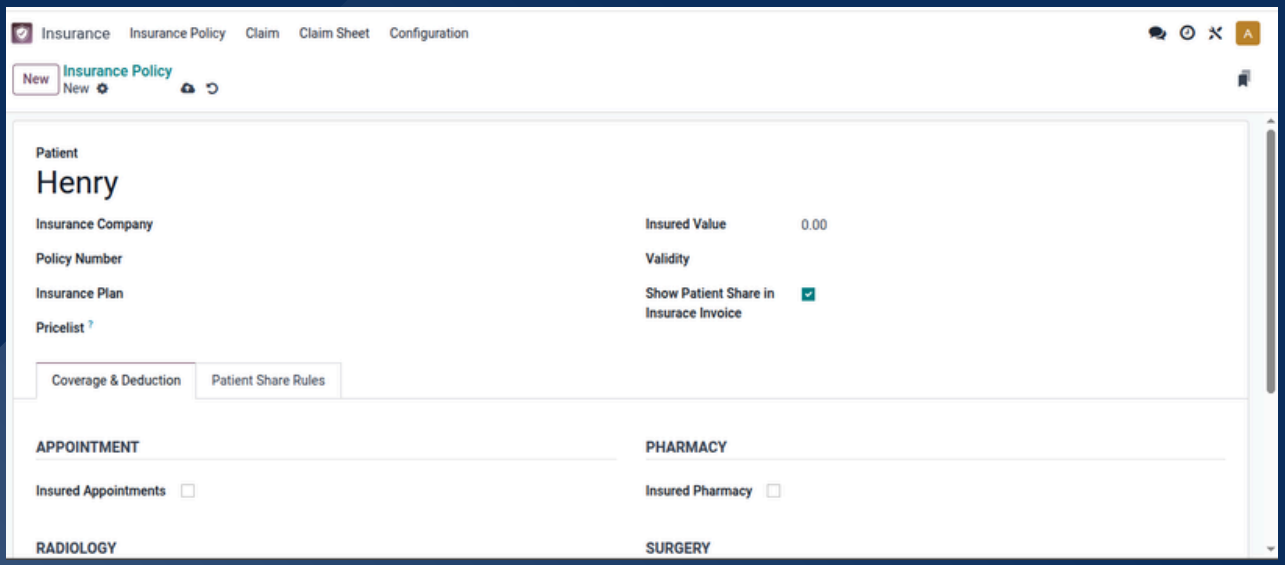
- SMS/Email/WhatsApp recall notifications
- Missed dose escalation alerts

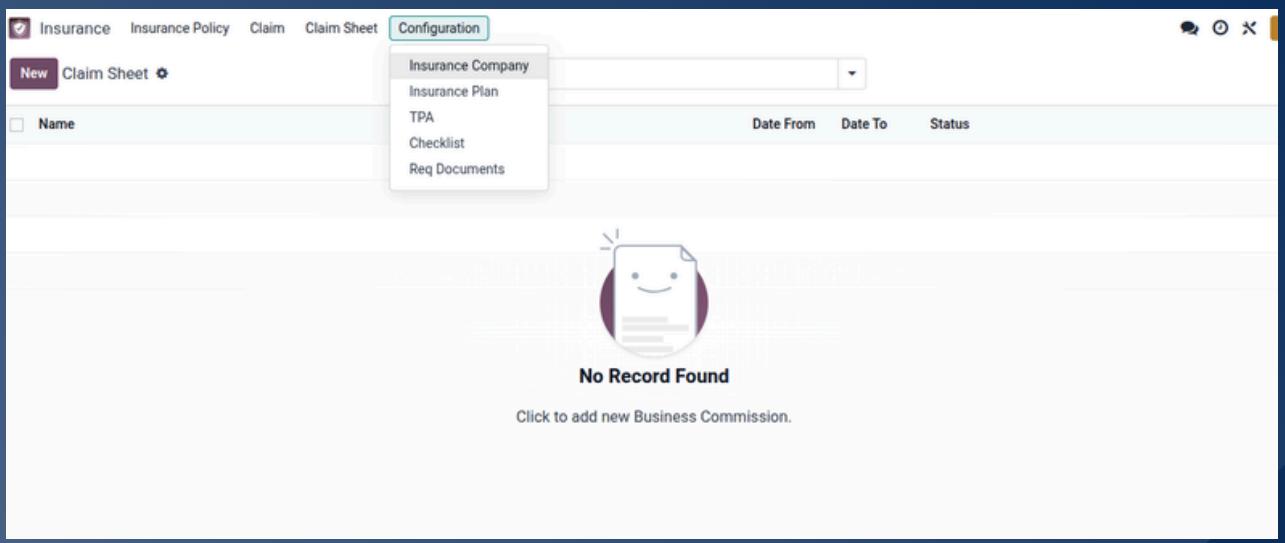




11. INSURANCE INTEGRATION

CODCrafters HMS delivers end-to-end insurance orchestration, eliminating administrative burdens while maximizing reimbursement efficiency across all service lines.





CODCrafters

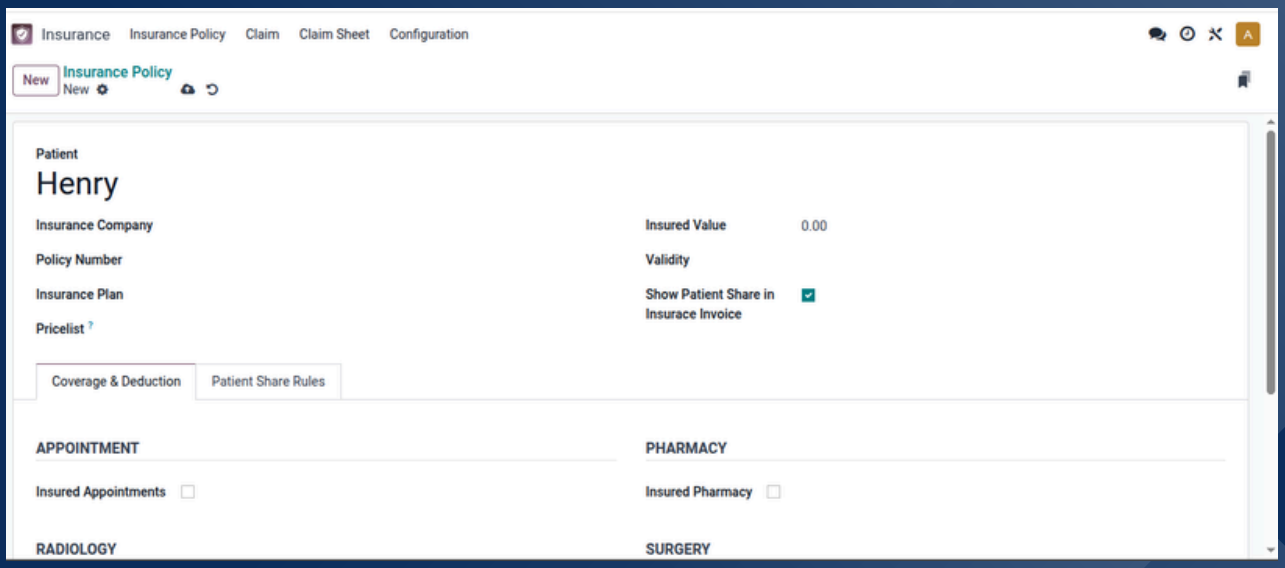
CENTRALIZED POLICY ADMINISTRATION

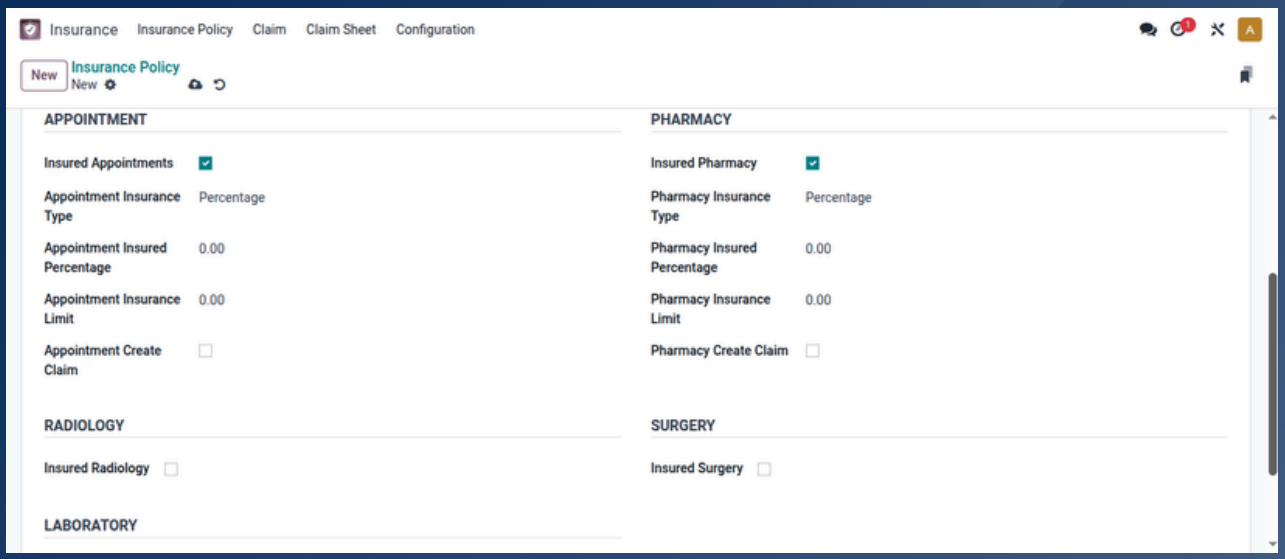
Unified Patient Coverage View

- Policy details (Number/Validity/Plan)
- Insured value tracking (0.00 balance alerts)

Multi-Payer Support

- Custom pricelists per insurer
- Patient share calculation rules





CODCrafters

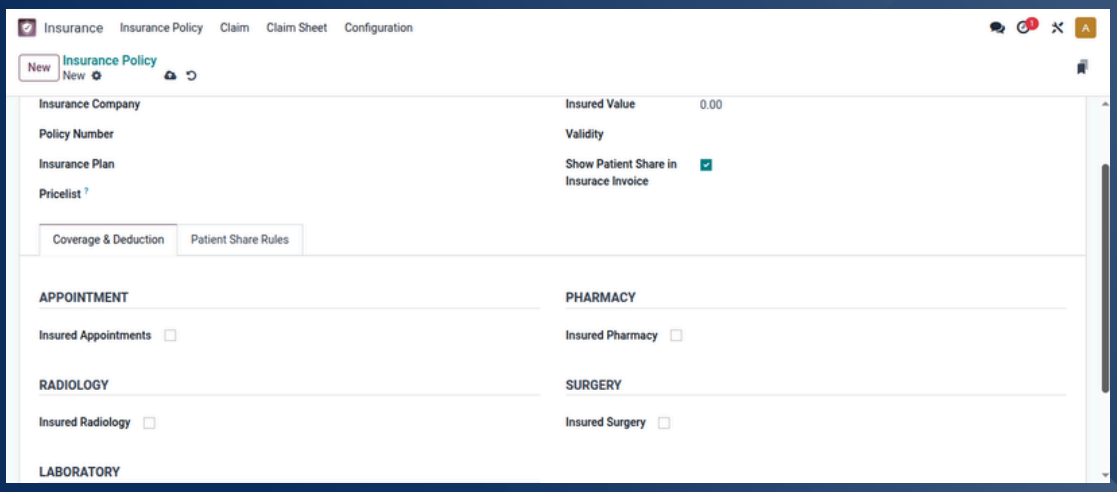
AUTOMATED SERVICE AUTHORIZATION

Real-Time Eligibility Checks

- Appointment/Pharmacy/Radiology /Surgery coverage
- Pre-approval workflow integration

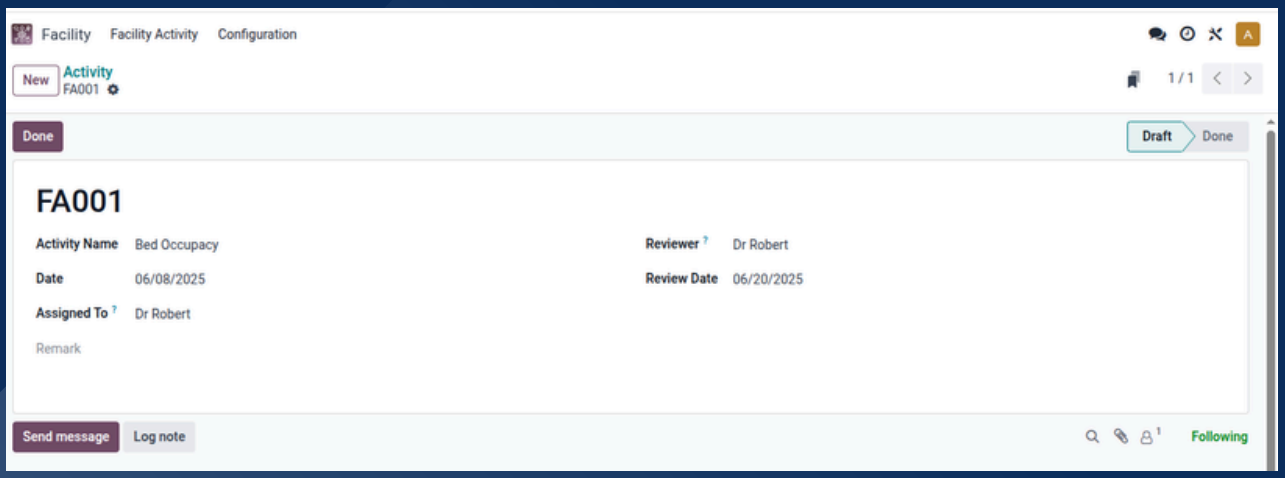
Intelligent Cost Splitting

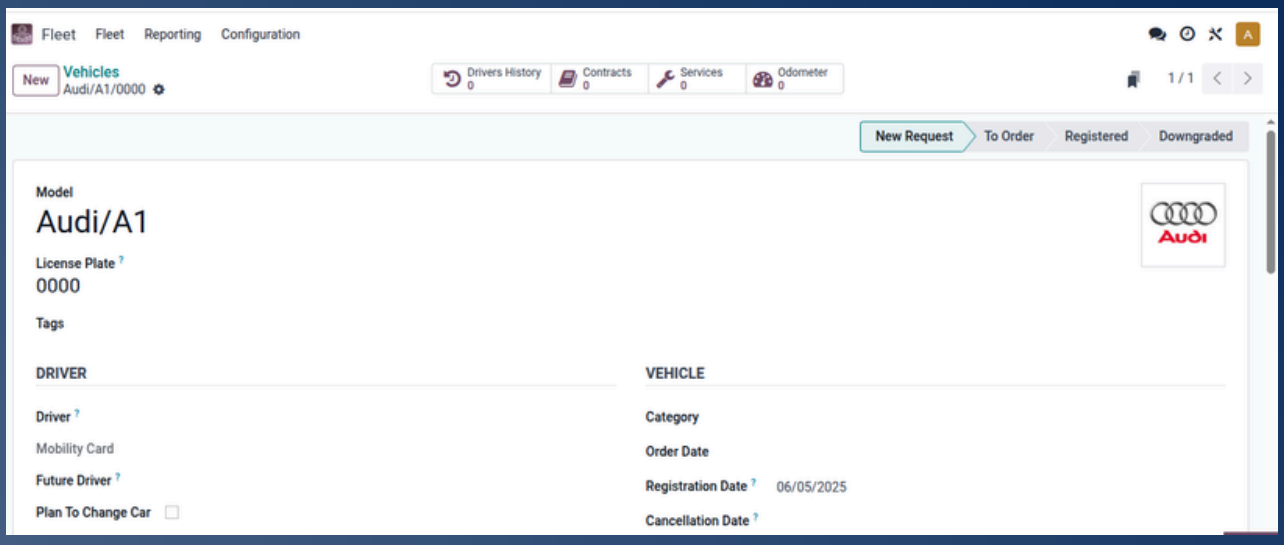
- Deductible tracking
- Co-pay automation



12. FACILITY & FLEET MANAGEMENT

CODCrafters HMS provides comprehensive visibility and control over your healthcare infrastructure, combining facility operations with intelligent fleet management in a unified command center.





CODCrafters

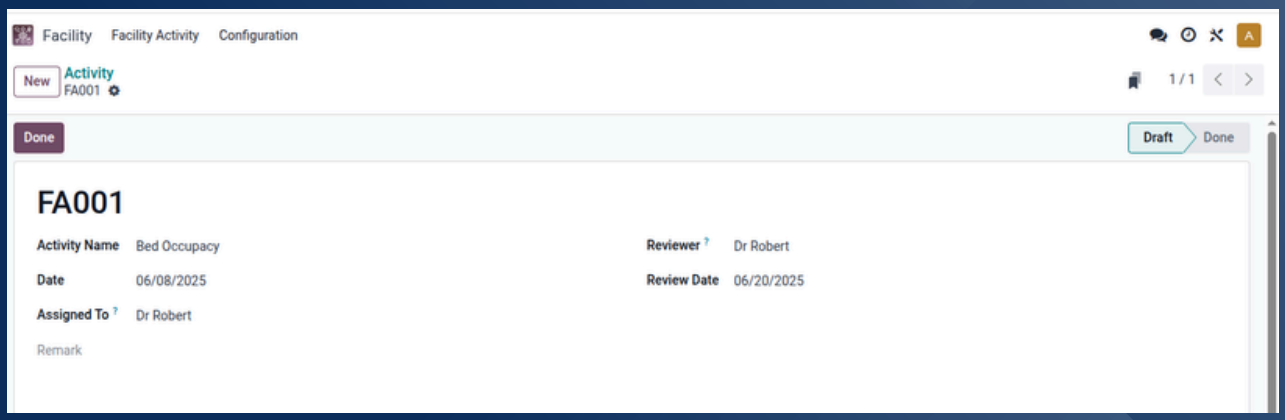
SMART FACILITY MONITORING

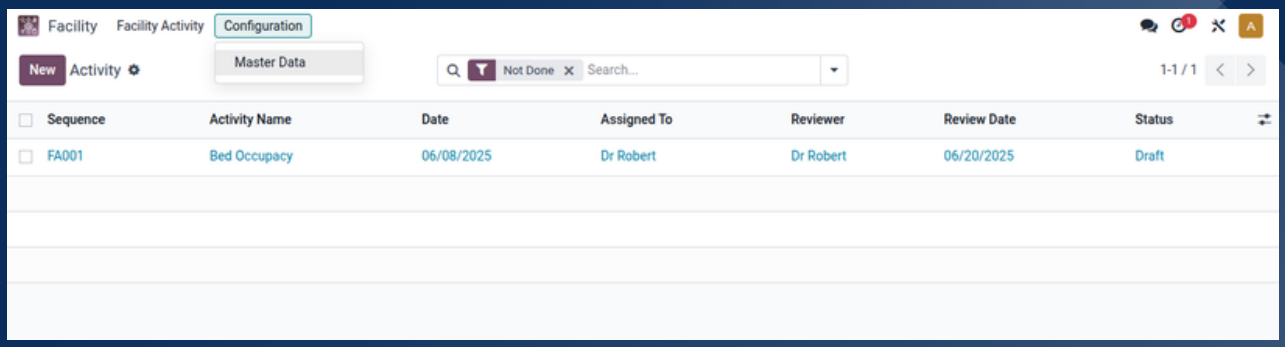
Real-Time Activity Tracking

- Facility analytics
- Maintenance task assignment
- Review cycle automation

Preventive Workflow Management

- Draft → Done status progression
- Remark logging for audit trails





CODCrafters

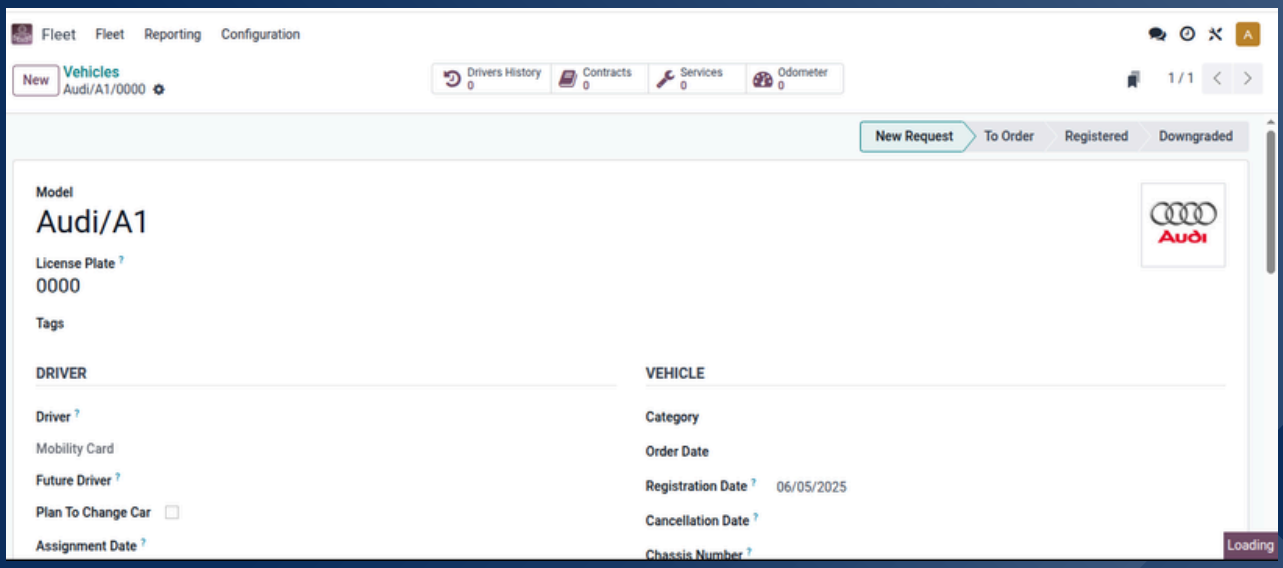
PRECISION FLEET CONTROL

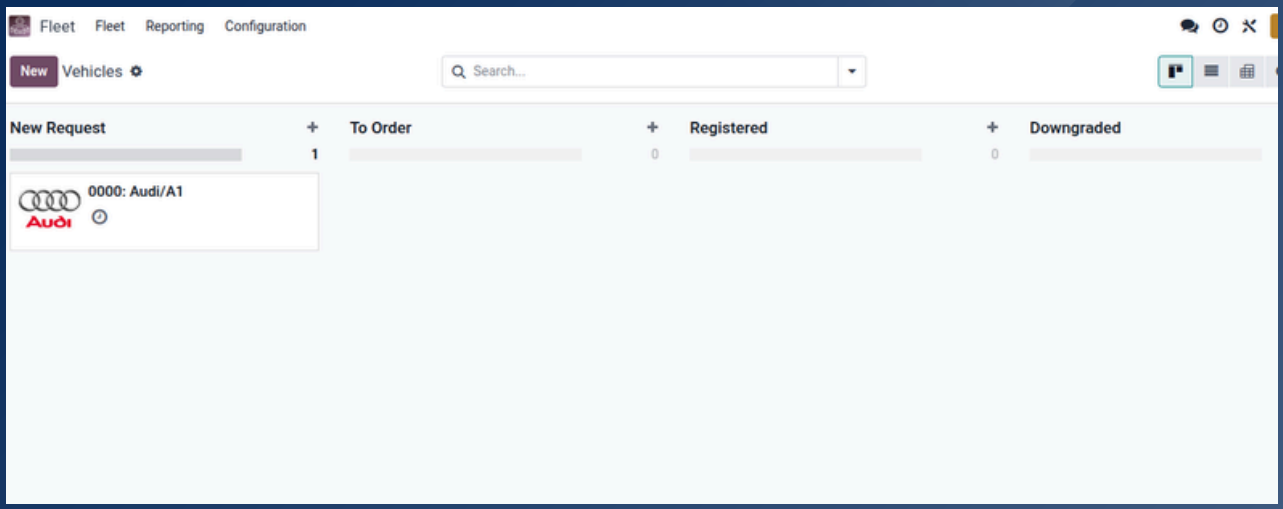
Vehicle Lifecycle Management

- Registration to retirement tracking
- Driver-card pairing (Mobility Card)

Maintenance Orchestration

- Service contract integration
- Odometer-based scheduling





CODCrafters

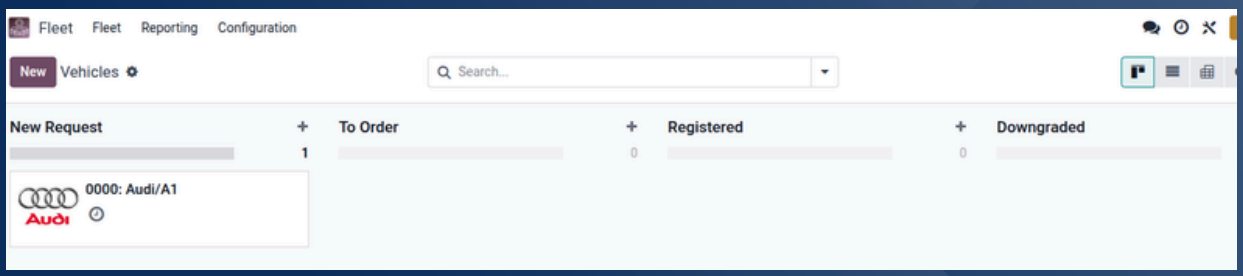
UNIFIED RESOURCE DASHBOARD

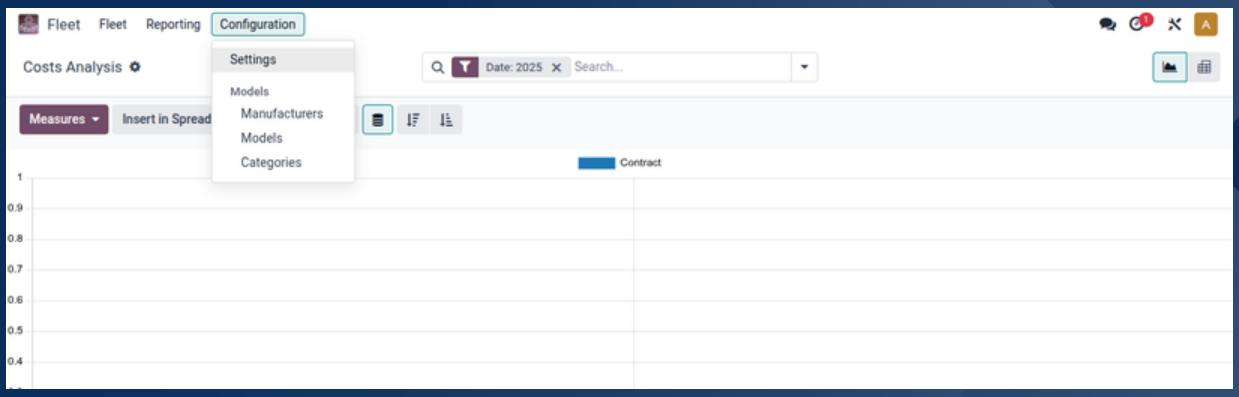
Emergency Dispatch Console

- Ambulance availability monitoring
- GPS-enabled fleet tracking

Asset Utilization Analytics

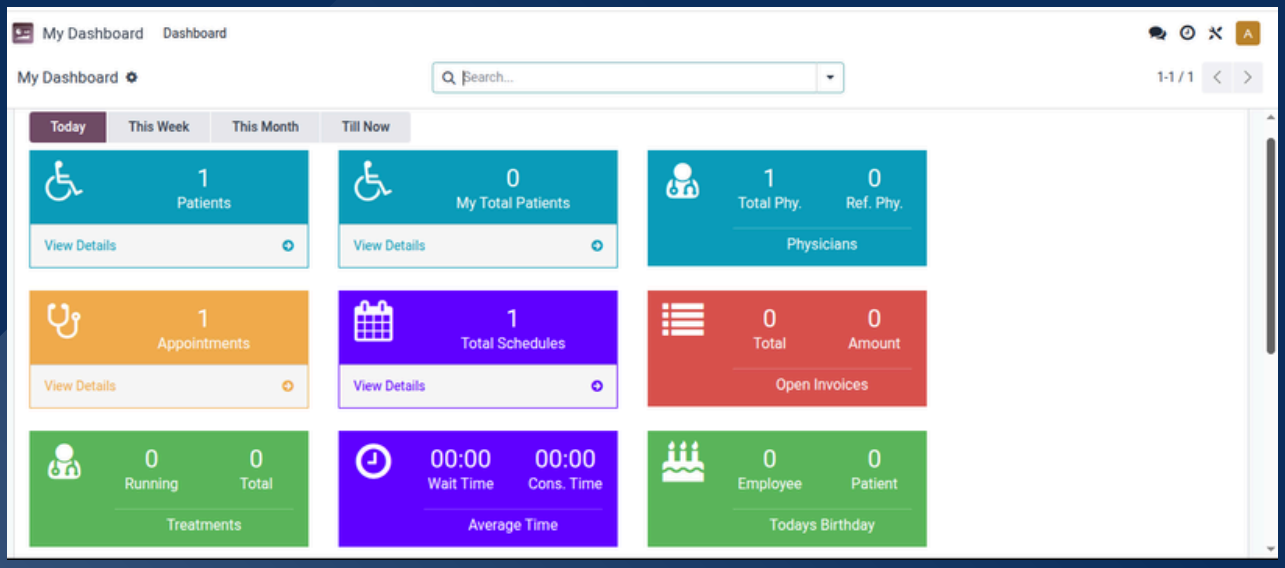
- Equipment downtime reporting
- Cost-per-mile calculations

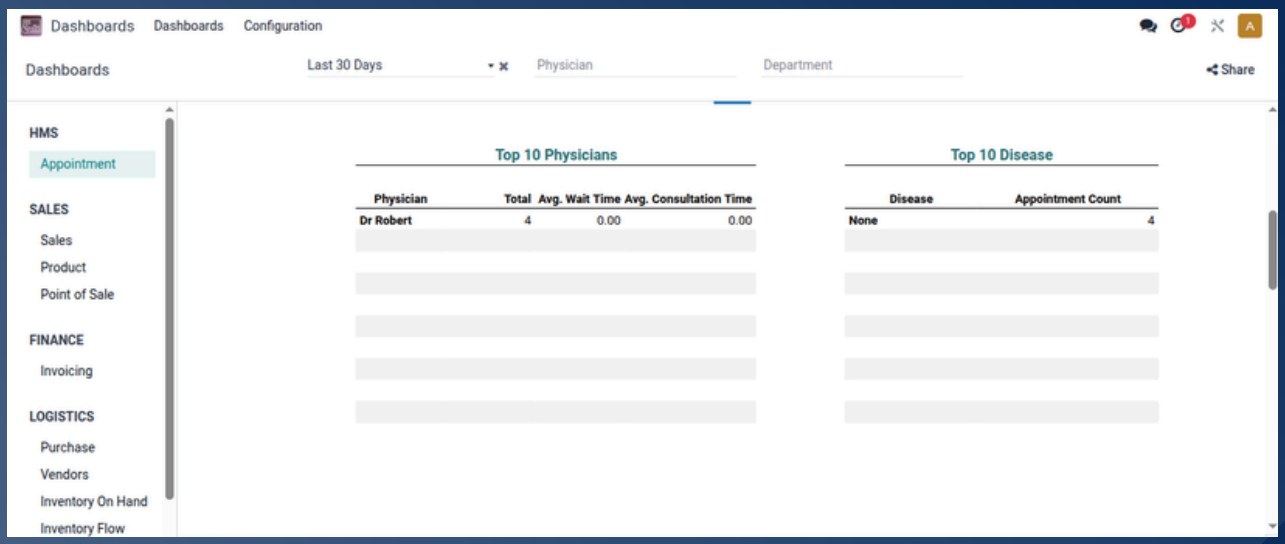




13. DASHBOARDS & REPORTS

CODCrafters HMS delivers customizable command centers that transform raw data into clinical, operational, and financial intelligence through role-specific dashboards.





CODCrafters

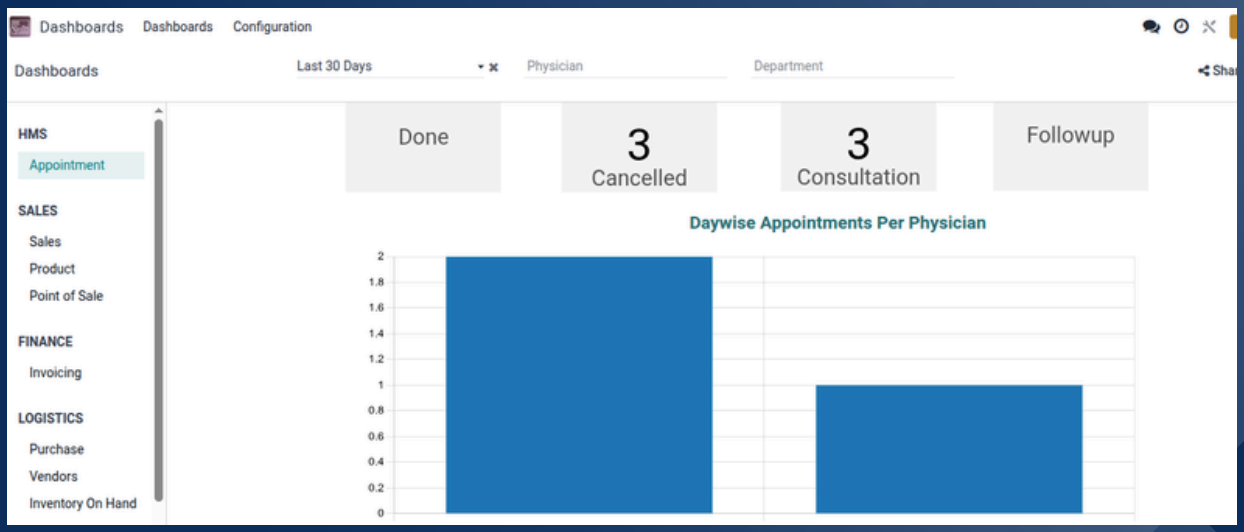
CLINICAL PRODUCTIVITY SNAPSHOTS

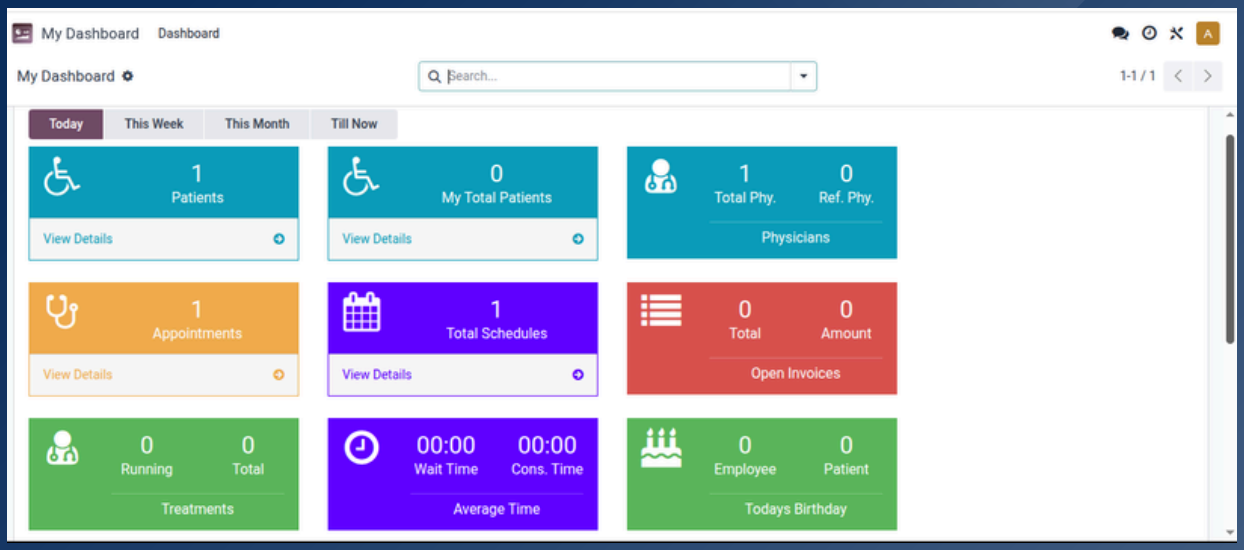
Patient Flow Analytics

- Today/Week/Month patient volumes
- Appointment backlog monitoring

Treatment Efficiency

- Procedure completion tracking
- Wait time vs consultation time ratios





CODCrafters

SPECIALIZED DEPARTMENT MODULES

Gynecology:
Track prenatal, perinatal, and postnatal care, delivery plans, and gynecological histories.

Odontology:
Manage dental charts, procedures, appointments, and oral health records.

Paediatrics:
Record child growth, vaccinations, and pediatric-specific diagnoses.

Ophthalmology:
Track eye exams, vision correction, and optical prescriptions.

Physiotherapy:
Schedule and monitor sessions, exercises, and therapy progress.

Aesthetic Medicine:
Document cosmetic procedures and treatment outcomes.

MR (Medical Records):
Central repository for all clinical, surgical, and diagnostic records.

SUPPORTIVE FUNCTIONALITIES

Contacts & Employees:
HR and CRM modules to manage hospital staff, physicians, and patients efficiently.

Consent Forms & Certificates:
Digital document handling with e-signatures and automated template generation.

Subscription Management:
Ideal for private clinics offering membership-based care packages.

Invoicing:
Integrated financial tools for billing, insurance claims, and accounting.

COMMUNICATION & COLLABORATION

WhatsApp Integration:
Communicate with patients directly via WhatsApp.

Website & Online Booking:
Enable online appointment booking, service listings, and patient engagement.

Surveys:
Gather patient feedback and satisfaction ratings.

Calendar & Schedule Management:
Organize meetings, shifts, and departmental timetables.

WHY CHOOSE CODCRAFTERS HMS?

100% Modular

Deploy what you need, scale as you grow

Cloud-Ready

Access from anywhere, anytime

Customizable

Tailored to your hospital's unique workflows

Global Support

Multilingual, timezone-aware services

CODCrafters

LET’S TRANSFORM HEALTHCARE TOGETHER

Whether you're a large hospital network or a small clinic, CODCrafters' HMS empowers you to deliver exceptional care while improving operational efficiency.

THANK YOU FOR YOUR ATTENTION