

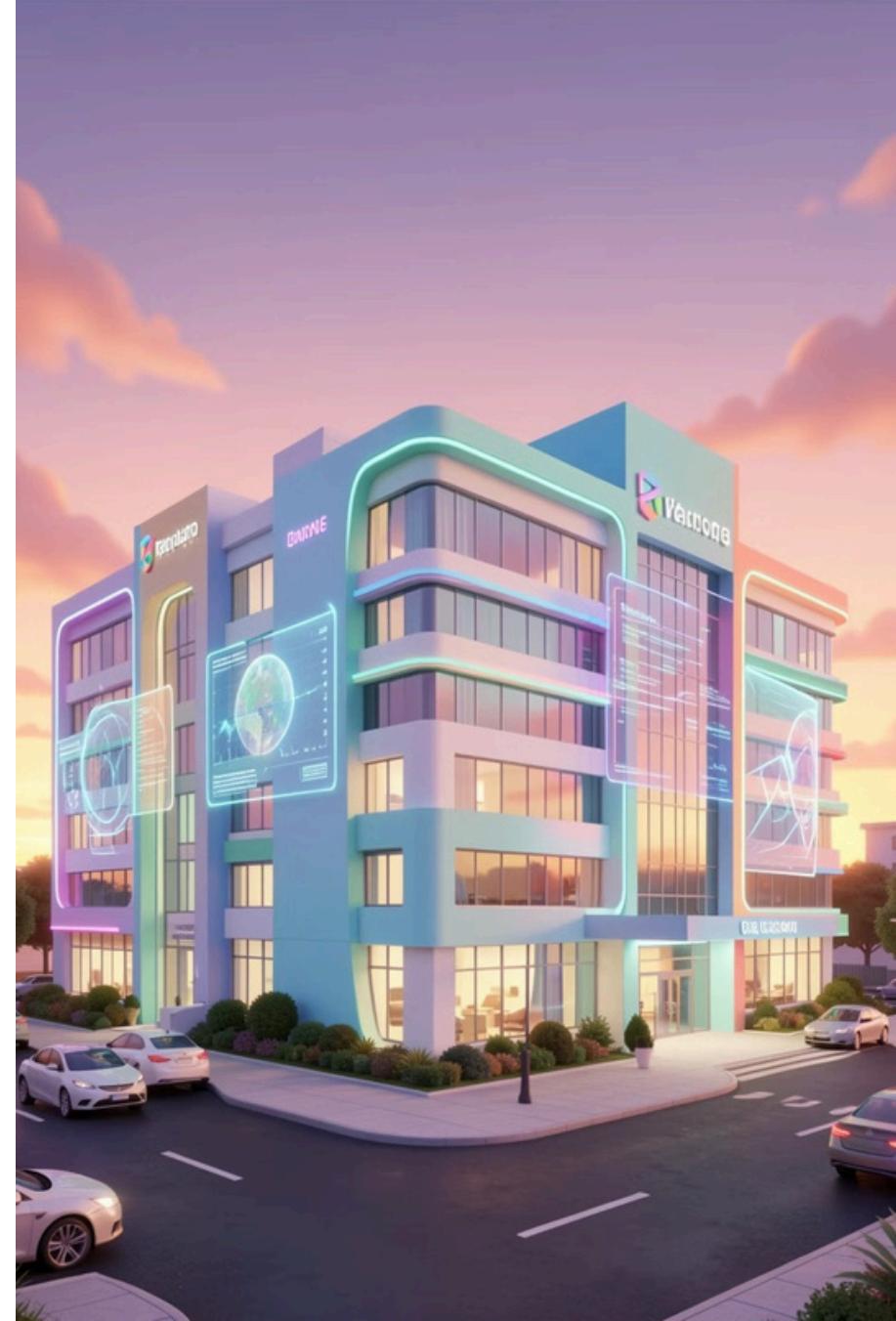


E-WORLD
IT SOLUTIONS

Smart IT Solutions for a Digital World

AI-Powered Hospital Management System

Transform healthcare delivery with intelligent automation that predicts, prevents, and optimises operations whilst empowering staff and improving patient outcomes.



The Healthcare Crisis We're Solving

40%
Wasted Time

Hospital staff time consumed by administrative tasks instead of patient care

23%
No-Show Rate

Average appointment no-show costing hospitals SAR 12.5M+ annually

70%

Capacity Utilisation

Inefficient operations whilst staff experience crisis-level burnout

Healthcare facilities are drowning in paperwork, struggling with no-shows, risking patient safety, and losing revenue. Medical errors from drug interactions remain a leading cause of preventable adverse events, whilst fragmented care leads to poor satisfaction and reputation damage.

Your hospital needs more than digitisation. You need intelligence.

AI-First, Not Just Digital

What Makes Us Different

Every hospital management system digitizes workflows. We add an intelligence layer that predicts, prevents, and optimises.

This isn't another EMR replacement. This is the **AI brain** that makes your existing systems smarter.



The Five AI Pillars

01

Predictive Intelligence

Know what happens before it happens through advanced forecasting

02

Clinical Decision Support

Protect patients and staff from errors with real-time alerts

03

Intelligent Medical Records

Extract insights from data automatically with AI summarisation

04

24/7 AI Assistant

Never-sleeping support for patients and staff in multiple languages

05

Predictive Analytics

Proactive resource management and strategic planning

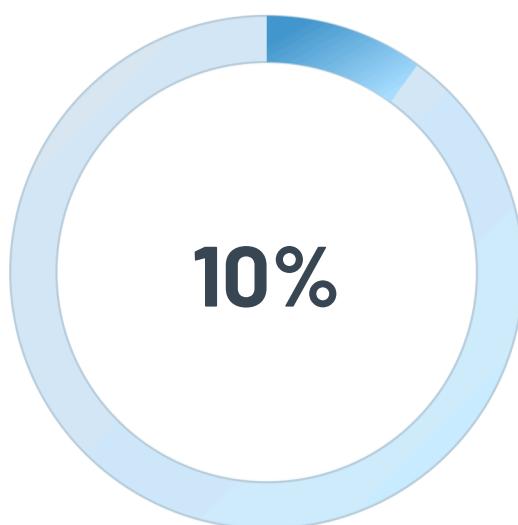
Predictive Intelligence That Transforms Operations

Appointment No-Show Prediction

85% accuracy in identifying at-risk appointments before they happen

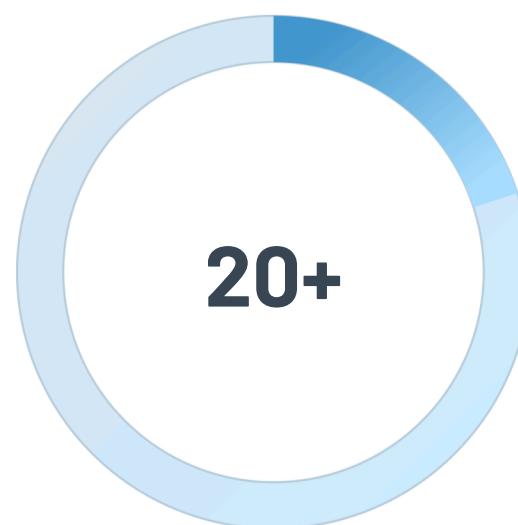
How It Works

- Analyses patient history, demographics, appointment patterns
- Identifies risk factors: day of week, time, weather, previous behaviour
- Automatically triggers targeted reminders based on risk scores
- Suggests optimal scheduling times to maximise attendance



No-Show Reduction

From 23% to 13% in just three months



More Patients Daily

Additional patients seen with same staff levels



Annual Recovery

Revenue recovered from eliminated no-shows and better resource allocation

Patient Risk Stratification

80%+ accuracy in predicting 30-day readmission risk

What It Predicts

- Readmission probability with specific risk factors identified
- Disease progression timeline and trajectory
- Length of stay predictions with confidence scores
- High-risk patient identification for proactive intervention

Clinical Decision Support That Saves Lives

Real-Time Drug Interaction Checking

50,000+ drug combinations analysed in milliseconds with **99.9% accuracy** based on FDA and clinical databases

The Life-Saving Moment

Without AI

Scenario: Doctor prescribes Warfarin to patient already taking Aspirin

- Doctor must remember thousands of combinations (impossible)
- Look up in reference book (5-10 minutes)
- Call pharmacist (15-20 minutes)
- Or worse: miss it entirely and risk patient bleeding

With Our AI

Response time: Milliseconds

- ⚠ **SEVERE INTERACTION** alert appears instantly
- Explains the risk: "Increased bleeding danger"
- Provides alternative medications
- References clinical guidelines
- Treatment recommendations based on latest evidence

78% Reduction

In adverse drug events through intelligent checking

SAR2500K Annual Savings

From prevented medical errors and reduced malpractice risk

Legal Protection

"One prevented lawsuit pays for this entire system for years!"

Intelligent Records & 24/7 AI Assistant

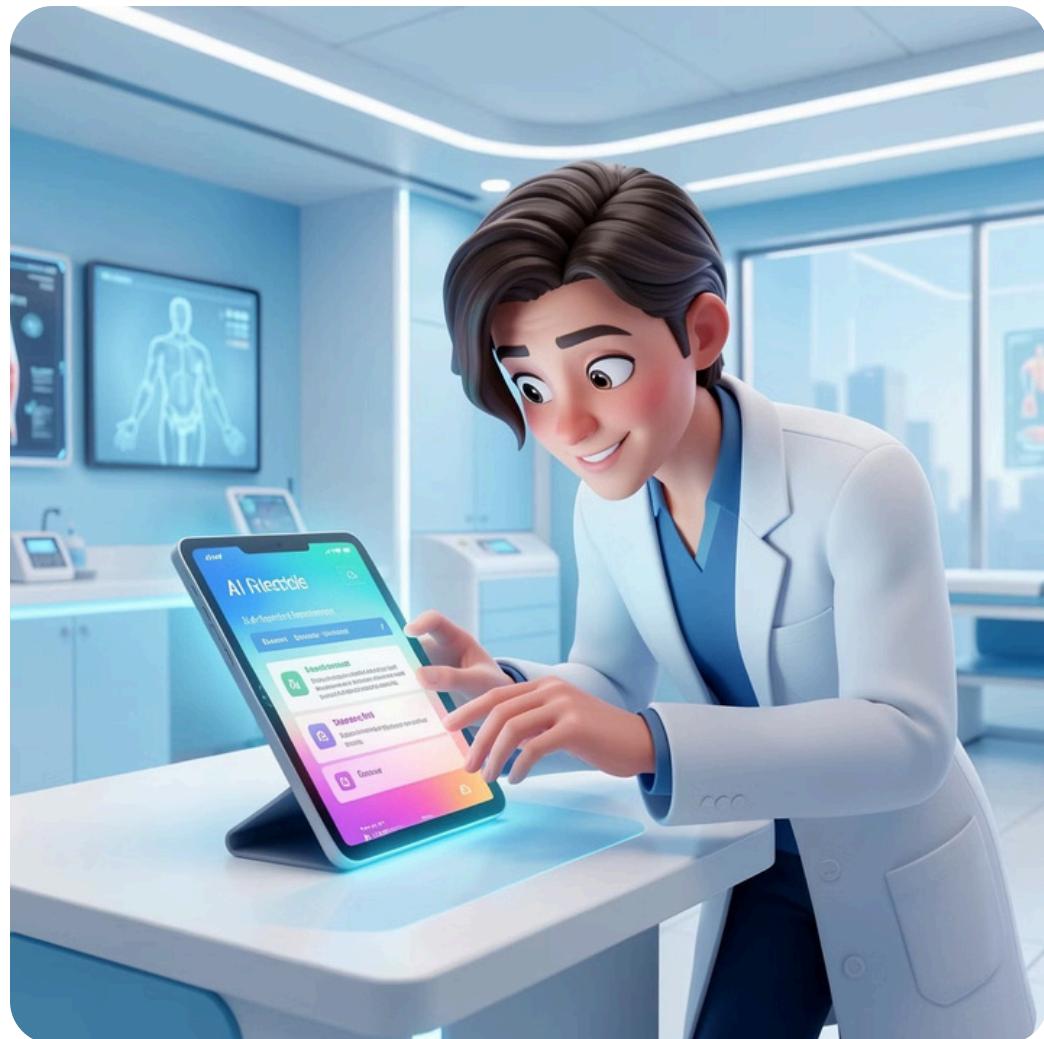
AI-Powered Document Intelligence

Transform 50-page medical histories in to 1-page summaries in 30 seconds

The Doctor's Time-Saver

Before: Dr Ahmed spends 15 minutes reading through old records whilst patients wait.

After: She receives an AI-generated summary in 30 seconds with complete medical history, current medications, allergies highlighted, key health concerns flagged, and trend analysis.



70%

Faster Chart Review

Doctors see more patients daily with AI summarisation

60%

Call Reduction

Of calls handled automatically by AI assistant

SAR 4000K

Combined Savings

Annual savings from both intelligent features

24/7 AI Chatbot Assistant

Your never-sleeping staff member that **works 24/7**, never takes breaks, never gets frustrated, and speaks multiple languages

What It Handles

For Patients:

- "When is my next appointment with Dr Ahmed?"
- "What are the side effects of Metformin?"
- "How much do I owe on my last bill?"

For Staff:

- "What's the protocol for chest pain patients?"
- "Show me lab results for patient P-2024-0001"
- "Check drug interactions for this prescription"



↗ AI PILLAR #5

Predictive Analytics Dashboard

Your Executive Intelligence Command Centre



Resource Demand Forecasting

3-7 days advance notice of bed needs with seasonal pattern recognition and emergency surge prediction. AI predicts 40% increase in A&E visits during flu season and recommends staffing adjustments.

Disease Outbreak Detection

Early warning system monitors unusual symptom patterns, clusters similar diagnoses, and tracks geographic spread. Detects outbreaks **days before** traditional surveillance.

Revenue Intelligence

Monthly and quarterly revenue predictions, billing trend analysis, collections optimisation, and late payment forecasting for proactive financial management.

Business Impact: SAR 1500,000 annual savings in operational efficiency gains through proactive versus reactive management, better resource allocation reducing waste, and early intervention improving patient outcomes.

Complete Platform Features

Beyond AI, our system is a **complete end-to-end solution** for all hospital operations. Every module is fully functional and ready for deployment.

1

Patient Management

Registration, directory, comprehensive profiles with complete medical history and billing integration

2

Appointment Management

Smart scheduling with AI optimization, calendar views, automated reminders, and no-show prediction

3

Doctor Management

Staff profiles, specialization tracking, availability scheduling, and performance analytics

4

Department Management

Organizational structure, staff assignment, service listings, and department analytics

5

Laboratory Management

Electronic ordering, sample tracking, results management, and AI-powered anomaly detection

6

In-Patient Management

Admission processing, bed allocation, daily care tracking, and discharge management

7

Billing & Insurance

Invoice generation, payment processing, insurance claims, and financial reporting

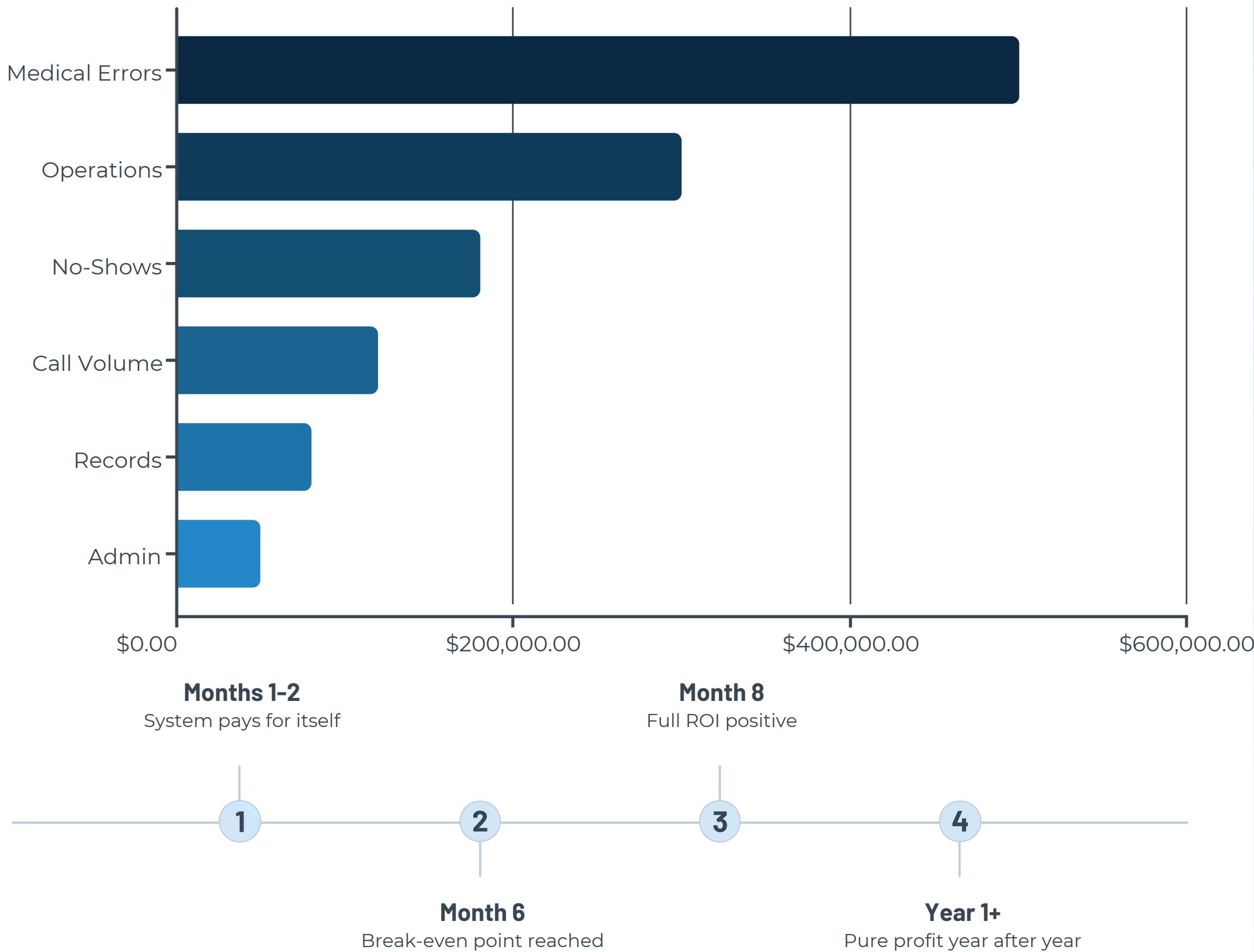
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Medical Records

Secure document storage, AI summarisation, trend analysis, and HIPAA-compliant access control

Business Case & ROI

SAR 6.14M Annual Savings



Beyond the Numbers: Intangible Benefits

Patient Experience

30%+ improvement in satisfaction through shorter wait times, 24/7 support, and proactive care

Staff Satisfaction

Reduced burnout and better tools lead to **SAR 500K+ savings** from retention

Competitive Edge

Attract top talent and tech-savvy patients as the innovative, market-leading hospital

Let's Transform Your Hospital

Three Pathways to Success



Pilot Programme

Start with one department, 90-day pilot, prove ROI before full commitment

Full Deployment

Complete hospital transformation, core features in 60 days, full system in 6 months

Custom Demo

Bring stakeholders, customized workflow demo, technical review, 2-hour session

Why Choose Our AI-Powered System?

- **AI-First Foundation**

Intelligence built into the foundation, not bolted onto old systems

- **Clinical Safety Paramount**

Drug interaction checking saves lives and pays for system many times over

- **Proven ROI**

SAR 6.24M annual savings - conservative estimate backed by data

- **Future-Ready Technology**

Modern architecture enables easy updates, integrations, and scalability

"The best time to implement AI in your hospital was yesterday. The second best time is today."

Every day you wait costs SAR 35,300 in no-shows, overwhelms staff with administrative burden, risks undetected medical errors, and allows competitors to gain advantage.

[Schedule Your Demo](#)

[CHECK MORE ABOUT US](#)

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