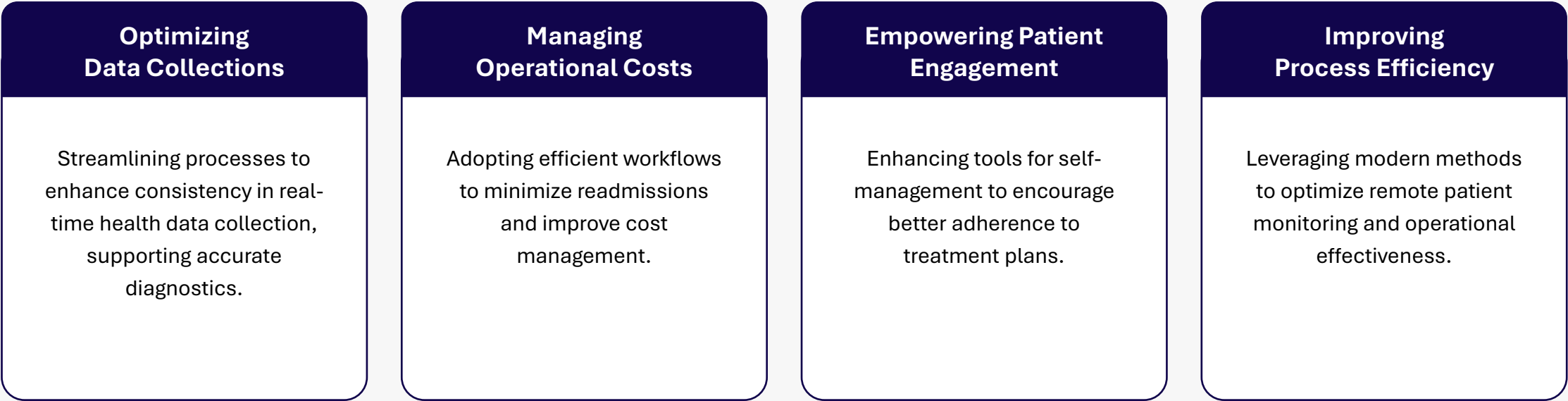# Revolutionizing Remote Patient Monitoring with Agentic AI

Client Overview

A mid-sized healthcare system managing both urban and rural clinics sought to enhance patient care for individuals with chronic conditions. Their goal was to improve remote monitoring processes to reduce hospital visits and deliver more personalized, proactive care.

Challenges

The client focused on enhancing the accuracy and timeliness of monitoring patients' health data, which plays a vital role in managing chronic conditions. Manual processes for data collection and analysis required significant effort and attention to detail.

The healthcare network encountered four critical issues:

Optimizing Data Collections	Managing Operational Costs	Empowering Patient Engagement	Improving Process Efficiency
Streamlining processes to enhance consistency in real-time health data collection, supporting accurate diagnostics.	Adopting efficient workflows to minimize readmissions and improve cost management.	Enhancing tools for self-management to encourage better adherence to treatment plans.	Leveraging modern methods to optimize remote patient monitoring and operational effectiveness.

Our Approach and Solution

R Systems revolutionized the client's monitoring and engagement with the Agentic AI Remote Patient Monitoring Agent

Effortless Device Integration	Agentic AI ensured real-time health data flow with seamless connections to devices and EHR systems.
Intelligent Data Insights	Advanced AI algorithms delivered trend analysis and quality scores for precise health monitoring.
Personalized AI Nudges	Tailored health coaching and smart reminders boosted patient adherence and self-management.
SMART FHIR Connectivity	Streamlined integration enhanced interoperability with EHRs for comprehensive patient care.

Results and Business Impact

The implementation of Agentic AI Remote Patient Monitoring Agent led to significant improvements for the client:

Precision Diagnostics Boost	Timely Data Interventions	Cost-Effective Care	Adherence Amplified
AI-driven analytics enhanced diagnostic accuracy by 30%, leading to better patient outcomes.	Real-time updates reduced hospital readmissions by 25%, ensuring proactive patient care.	Automated monitoring cut healthcare costs by 20%, optimizing resources and minimizing admissions.	Health coaching and AI nudges improved patient adherence by 35%, ensuring effective chronic condition management.

Conclusion

With Agentic AI's advanced remote monitoring capabilities, the client transformed patient care and streamlined operations. By reducing hospital readmissions and empowering patients with personalized support, they embraced a scalable, patient-first approach to healthcare.

This collaboration showcases the power of AI to bridge critical gaps in care delivery—creating better experiences for patients and delivering meaningful value to providers.

About Us

4100+ Employees Worldwide

204 Million USD Revenue

18 Development Centres

Great Place To Work® Certified JAN 2024–JAN 2025 INDIA

ISO
ISO 27001:2013
ISO 9001: 2015

PCMM
Level 5
(Vr. 2.0)

PCI DSS
(Vr. 3.2.1)

HIPAA
Compliant

NSE

BSE

Publicly Listed

Global Footprint

USA, India, Europe, APAC
Established in 1993

Services

Digital Product Engineering (DPE),
Custom Application, Mobility,
Testing, Knowledge Services,
Customer Experience

Digital Technology

Cloud & DevOps, Data & Analytics,
AI/ML, Embedded, Automation,
Enterprise Packaged Services

Verticals

Telecom & Media, Tech, Internet,
and Platforms, Healthcare,
Banking & Financial Services,
Manufacturing, Logistics,
Automotive, Public Services

Global Presence

Bangkok
THAILAND

Noida
INDIA - HQ

HONGKONG

Warsaw and
Bialystok,
POLAND

Dusseldorf
GERMANY

Tokyo
JAPAN

London
UK

Shanghai
CHINA

Vancouver
CANADA

Ho Chi Minh City
VIETNAM

Kualalumpur
MALAYSIA

Mexico

Makati City
PHILIPPINES

Sacramento,
CA, USA

Chisinau
MOLDOVA

Pune

Jakarta
INDONESIA

Bucharest, Galati
and Craiova,
ROMANIA

SINGAPORE

Ontario
CANADA

Neuchatel
SWITZERLAND

Chennai
INDIA

Sales Office	Development/Service Centres

Ready to drive efficiency and better outcomes? Let's discuss how Agentic AI can help.

Worldwide Headquarter
R Systems International Ltd.
C - 40, Sector - 59,
Noida 201307 (UP), India
P: (+91) 120-430-3500
F: (+91) 120-258-7123

USA Corporate Office
R Systems Inc.
5000 Windplay Drive,
El Dorado Hills, CA 95762
P: (+1) 916-939-9696
(+1) 800-355-5159
F: (+1) 916-939-9697