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Technology Driven Care Solution

At Your Fingertips

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The Silent Crisis

- Chronic Conditions

Did you know?

70% of heart attacks in those 65+ years olds are preventable with monitoring (AHA)

46%

of adults with hypertension worldwide have never been diagnosed (WHO)

70%

of cardiovascular diseases in adults over 65 are preventable through regular health monitoring and lifestyle changes

27%

of adults aged 65 and older are treated for diabetes in the U.S. (WHO)

Challenges

The global population aged 65+ is expected to double by 2050, leading to failed treatments and untimely deaths

90% of hospitals have reported operating at or above capacity during peak. WHO estimates a global shortage of 4.8 million nurses and midwives by 2030

Traditional in-person monitoring is costly and time-consuming, across geographies

Healthcare faces financial strain from rising medical costs

Remote areas lack infrastructure for patient monitoring

Challenges with wearable integration and data accuracy

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Solution: **Remote Monitoring**

- Need of the hour

RPM uses IoT to capture data from wearable and implanted medical devices, enabling proactive, remote monitoring to improve patient outcomes and save lives.

- **Addresses the rising Healthcare Demands** particularly in Ageing population, chronic conditions
- **Assist to monitor** and manage patients' health **outside of traditional healthcare settings**
- **RPM enhances patient outcomes,** reduces hospital readmissions, and supports proactive care
- **Remote Efficiency:** RPMS addresses gaps in underserved areas
- **Reduces financial burden** and quality resource crunch for continuous patient monitoring, and post-discharge care

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RPMS

By CareTechR

CareTechR aims to lead the healthcare industry by offering digital health tech for continuous remote monitoring.

- IoT devices track vitals for chronic conditions and routine checks
- Geo-fencing alerts for Alzheimer's and Parkinson's patients
- Scheduled continuous or intermittent monitoring
- Fall detection, position tracking, and sleep monitoring for elderly with chronic conditions

Key benefits:

Improved Outcomes

Reduced Readmissions

Proactive Care

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How does it help you?
- Holistic, Tech-Driven Care

Comprehensive Monitoring
24/7 tracking of vitals with alerts

Home Monitoring
Blood pressure and telehealth devices

Data Integration
Seamless connection with EHR and AI analytics

Vitals Monitored
Heart rate, blood pressure, glucose, etc

Device Management
Simple pairing, troubleshooting, and updates

Reduced hospital readmissions
and bed occupancy through remote monitoring

Helpline/ Call centre	Monitoring conditions	Client	Client base
Doctor/Nurse/ Others (could be possible if needed)	Long term care • Post op care • Post pregnancy care • Geriatric care	• Any age group • Women of reproductive age • Old age group	Assisted living and home care to catchment area of Assisted living
	Palliative care • Oncology • Post CVA	• Any age group • Any age group	
	Lifestyle management • Cardiac2 • Chronic disease like Prediabetic and diabetic • Oncology	• Any age group	
	Antenatal, postnatal and newborn care	• Women of reproductive age • Newborn	

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Seamless implementation workflow,
an innovative approach by CareTechR

01

Seamless Patient Onboarding

02

Quick Setup

Connects easily to monitoring devices

03

Real-Time Data

Secure transmission to the cloud

04

Analytics & Alerts

Advanced tracking with real-time alerts to first responders, and next of kin

05

Dashboard

Interactive dashboards for seamless review

06

Feedback

Doctors, nurses and medical staff receive regular updates and offer personalised care

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Key Features & Functionality of CareTechR's RPMS

On-Demand Monitoring

Cloud Storage
No data loss & storage issue

Automatic Alerts
Immediate alerts for timely intervention

Remote Observations
Patient vitals monitored remotely

Seamless Device Integration
Smooth connectivity across devices

Health Audit & Advice
Expert health advice by caregivers

Prioritised Visits
Data-driven home visits

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Why CareTechR

Heartfelt Healing at Home
Providing home health, palliative, and personal care with a focus on dignity, independence, and quality of life

Tailored Touchpoints
Expertise in geriatric, pregnancy, post-operative, and newborn care with tech-enabled solutions

Smart Care, Smarter Savings
Continuous monitoring reduces costs, accelerates discharge, and optimizes bed availability

Masters of Care
Over the years of experience with professionals from private and public health sectors

Symphony of Care
Balancing patient needs and caregiver support to offer psychological comfort

Standards You Can Trust
HIPPA-compliant and HL7 FHIR integrated

Core Values:

- Passion
- Commitment
- Integrity
- Compliance
- Innovation
- Talent

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Why RPMS by CareTechR

- Our One-stop Solution

Devices helps you to help your patients

The vitals monitored by Caretechr's devices:

- Blood Pressure
- Respiratory Rate
- Blood Glucose Levels
- Oxygen saturation (SpO2)
- Sleep Patterns
- Body Temperature
- Physical Activity Levels
- Geo-fencing/location tracking for alzheimer patients
- Fall Detection
- Heart Rate
- Electrocardiogram (ECG)
- Weight

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NexRing - Digital Smart Ring

Critical Benefits:

- Analyses sleep patterns and HRV
- Accurate data and analysis
- Evaluates Quality of Sleep
- Real-time SpO2 Detection
- Research-Grade Sensors
- Long Battery Life
- Tailored size

6-in-1 Remote Health Monitor

Critical Benefits:

- Monitors 6 Body Vitals (Oximetry, Heart Rate, Blood Pressure, Body Temperature, Blood Glucose, and ECG features)
- Accurate and fast measurement
- Compatibility with IOS and Android system
- Software Development Kit Available

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Regulatory Compliance
for CareTechR's RPMS

CareTechR provides country-specific devices that fully comply with local regulations and healthcare standards.

- Adheres to medical device regulations (Class IIa/IIb)
- Certified for quality (ISO 13485) and risk management (ISO 14971)
- Ensures clinical evaluation, safety, and ongoing post-market surveillance
- HIPPA and adheres to HL7 FHIR integration guidelines
- FDA Korea, CE, CDSCO

Roles & Responsibilities
in assisting better outcomes

Our ecosystem is designed to keep the patient at the centre while seamlessly connecting multi-level assistance verticals to ensure better outcomes.

Patients

Engage with devices and follow protocols

Caregiver

Monitor data and provide technical assistance

Doctors

Review data and plan treatment accordingly

Organisation

Provide system maintenance and training

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Bridging the Gap

CareTechR is the bridge between patients and caregiver using advanced technology. Our proprietary Remote Patient Monitoring (RPM) platform empowers caregivers to:

- Monitor patients in real-time using advanced, IoT-enabled devices
- Enhance patient care with continuous tracking of vitals and early detection of issues
- Improve response time during emergencies
- Improve efficiency and outcomes with proactive, data-driven insights
- Improve efficiency and outcomes with proactive, data-driven insights
- Alteration in treatment when required

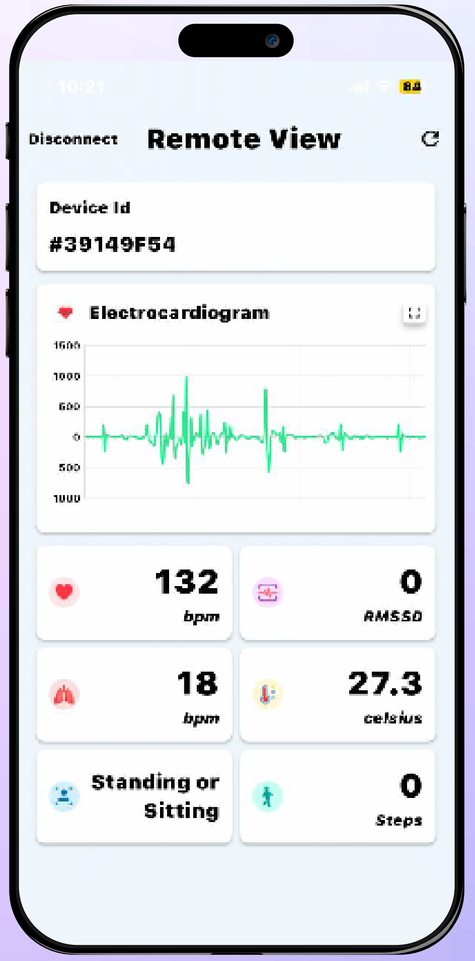
App Architecture of RPMS

By CareTechR

User Interface
A simple and intuitive AI-based design for seamless user experience

Integration
APR-driven EGR integration with HL7 FHIR standards

Communication
Real-time notifications and alerts with accurate readings



Data Management
Secure storage of patient data

Analytics Engine
AI-powered predictive insights on patient's health data

Plug & Play Model
Easily scalable solution, effortless addition of new users

Monitoring Capabilities & Device Integration

- Comparison of packages

Package	Basic Monitoring Package	Add-on Monitoring (Apple/Google Watches)	Special Monitoring (for Specific Conditions)
Captured Vitals	• Skin temperature • Respiratory rate • R-R interval • HRV-SDNN • Posture • Heart rate • ECG	• Blood oxygen • Heart rate • Time asleep • Respiratory rate • Wrist temperature	• Cardiac events • Digital stethoscope • Wearable thermometer • Blood pressure • Blood glucose • Fall detection • Brain mapping • Sleep position • GPS
Monitored Conditions	• Heart disease • Fever • Hypothermia • Bipolar disorder	• Congenital heart defects • Type 2 diabetes • Hypertension • Liver disease • Kidney failure • Anaemia	• Hypertension • Diabetes • Fall detection • Alzheimer's

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To explore further, schedule a demo, or start a pilot program, interested clients can reach out to us for a tailored consultation or learn more through our comprehensive resources.

We invite you to partner with us and help elevate your practice with efficiency, accuracy and better patient-recovery.

We assist caregivers with cutting-edge smart devices from a network of trusted vendors, integrating them seamlessly into your service.

Empower your practice and elevate patient care with RPMS—because the future of healthcare is proactive, connected, and within your reach today.

sc@caretechr.com

www.caretechr.com

PORTUGAL INDIA

Caretechr-101518638791514

Care_TechR

care-techr-780a0b211

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