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Artificial Intelligence In Remote Patient Monitoring Market Size, Share & Trends Analysis Report By Component (AI-enabled Devices), By Clinical Application (Cardiovascular Monitoring), By End Use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

This report can be delivered to the clients within 3 Business days

Market Size & Trends

The global artificial intelligence in remote patient monitoring market was valued at USD 1.99 billion in 2024 and is projected t%li%grow at a CAGR of 27.98% from 2025 t%li%2030. Growing trend towards personalized healthcare, increasing focus on cost reduction in healthcare, and technological advancements are factors contributing t%li%market growth. In addition, the rising adoption of sophisticated healthcare platforms, devices, and solutions t%li%reduce burden on hospital resources further fuel market growth.

The increasing incidence of chronic conditions such as diabetes, cardiovascular and neurological diseases, and respiratory disorders drives demand for effective monitoring solutions. Artificial intelligence (AI) enhances remote patient monitoring (RPM) systems by analyzing vast amounts of data from wearable devices such as smartwatches, fitness trackers, continuous glucose monitors, wearable ECG monitors, and other sources t%li%identify trends and alert healthcare providers before patient health condition worsens. Moreover, these devices contribute t%li%significant cost savings for both healthcare providers and patients. By enabling early detection and intervention, AI-enabled remote patient monitoring systems reduce the need for emergency visits and hospital admissions, leading t%li%lower healthcare expenditures. In addition, AI

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automates routine tasks such as data analysis and alert generation, allowing healthcare professionals t%li%focus on patient care. This operational efficiency optimizes resource utilization and enhances the overall quality of healthcare services.

Global Artificial Intelligence In Remote Patient Monitoring Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 t%li%2030. For this study, Grand View Research has segmented the global artificial intelligence in remote patient monitoring market report based on component, clinical application, end use, and region:

Component Outlook (Revenue, USD Million; 2018 - 2030)

AI-enabled Devices

Continuous Glucose Monitor

Blood Pressure Monitors

Pulse Oximeters

Wearable ECG Monitor

Temperature Monitor

Respiratory Monitor

Fetal Heart Monitor

Others

Software & Platform

Services

Clinical Application Outlook (Revenue, USD Million; 2018 - 2030)

Cardiovascular Monitoring

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Diabetes Management

Respiratory Monitoring

Oncology Remote Monitoring

Mental Health & Behavioral Monitoring

Post-operative & Home Recovery

Elderly/Frail Patient Monitoring

Sleep Disorders & Neurological Monitoring

Others

End Use Outlook (Revenue, USD Million; 2018 - 2030)

Hospitals & Health Systems

Home Healthcare Providers

Primary Care/Outpatient Clinics

Payers & Health Insurers

Healthcare Companies

Others

Regional Outlook (Revenue, USD Million; 2018 - 2030)

North America

U.S.

Canada

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Mexico

Europe

Germany

UK

France

Italy

Spain

Denmark

Sweden

Norway

Asia Pacific

China

Japan

India

South Korea

Australia

Thailand

Latin America

Brazil

Argentina

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MEA

South Africa

Saudi Arabia

UAE

Kuwait

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