

Wearable Cardiac Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

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Abstracts

The Global Wearable Cardiac Devices Market was valued at USD 2.4 billion in 2024 and is expected to expand at a CAGR of 12% from 2025 to 2034. These portable medical devices allow individuals to monitor their heart health daily, collecting and analyzing long-term data based on heart rate, rhythm, physical activity, and sleep patterns. By enabling remote monitoring, they eliminate the need for frequent clinical visits, improving patient convenience and medical efficiency. Equipped with advanced sensors and AI-powered analytics, these devices provide real-time insights, helping healthcare professionals make informed decisions. Growing awareness about preventive healthcare, rising cases of cardiovascular diseases, and increasing demand for remote patient monitoring are driving market growth. Wearable cardiac devices are widely used for cardiac arrhythmia monitoring and managing conditions such as heart failure and peripheral artery disease.

The market is segmented by product into smartwatches, Holter monitors, patches, pulse oximeters, defibrillators, and other wearable devices. Smartwatches led the segment, capturing 28.2% of total revenue in 2024. Their user-friendly design allows seamless heart health tracking without professional assistance, making them accessible to a broad audience. AI-powered algorithms help detect irregular heart rhythms and provide real-time health insights. As these watches monitor various vitals, including ECG, heart rate, and oxygen levels, they offer a comprehensive view of cardiovascular health.

By application, the market is divided into coronary artery disease, cardiomyopathies, post-myocardial infarction, congenital heart diseases, post-surgical cardiac care, and other related conditions. The coronary artery disease segment held a 37.4% market share in 2024 and is projected to reach USD 2.9 billion by 2034. A surge in lifestyle-

related risk factors such as physical inactivity, obesity, and smoking is fueling the demand for wearable cardiac devices in this segment. With rising cases of coronary artery disease, healthcare providers are increasingly relying on wearable technology for early detection and disease management.

The market is further categorized by end use into hospitals, specialty centers, home care settings, and other facilities. Home care settings accounted for a 35.4% share in 2024, reflecting a growing preference for continuous heart monitoring in comfortable environments. These devices enable individuals to track their cardiovascular health at home, reducing dependency on healthcare facilities. Regulatory compliance ensures the effectiveness of wearable devices in point-of-care settings, further driving adoption in this segment.

Regionally, the U.S. wearable cardiac devices market is anticipated to reach USD 2.7 billion by 2034, fueled by a high prevalence of cardiovascular diseases and a well-developed healthcare system. Increasing consumer awareness and technological advancements in wearable health devices are further strengthening market growth.

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