

Wearable Blood Pressure Monitoring Device Market Size to Reach over USD 8.1 Mn by 2031 - Persistence Market Research

Wearable Blood Pressure Monitoring Devices are growing rapidly due to rising health awareness and tech adoption

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/EINPresswire.com/ -- The [wearable blood pressure monitoring device market](#) plays a pivotal role in modern healthcare by enabling continuous, real-time monitoring of cardiovascular health, improving patient compliance, and facilitating early detection of hypertension and related disorders.

These devices are extensively used in hospitals, clinics, home care, and remote patient monitoring programs. Their accuracy, portability, and integration with digital health platforms make them indispensable in preventive healthcare and chronic disease management. According to the latest study by Persistence Market Research, Wearable blood pressure monitoring device market is estimated to value at US\$8.1 Bn by the end of 2031 from US\$2.9 Bn estimated in 2024. The market is expected to secure a CAGR of 15.7% in the forthcoming years from 2024 to 2031. Growth is primarily driven by the rising prevalence of cardiovascular diseases, increasing health awareness, and the adoption of digital health technologies worldwide.

The market expansion is further supported by technological advancements in sensor accuracy, the rising adoption of wearable and IoT-enabled devices, and growing patient preference for non-invasive monitoring solutions. Among product types, cuffless and smartwatch-integrated devices remain the leading segments due to their ease of use and integration with mobile health applications. Geographically, North America dominates the global market, attributed to high healthcare expenditure, advanced healthcare infrastructure, and growing demand for remote monitoring solutions. The U.S. remains the key contributor, supported by strong R&D activities and digital health adoption.

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Wearable Blood Pressure Monitoring Device Market

Size and Share
Analysis by 2031



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Wearable Blood Pressure Monitors: Tracking Health Anywhere

Key Market Insights

- The global wearable blood pressure monitoring device market is estimated to value at US\$8.1 Bn by the end of 2031 from US\$2.9 Bn estimated in 2024.
- Cuffless and smartwatch-integrated devices dominate due to convenience and digital integration.
- North America leads, driven by advanced healthcare systems and telehealth adoption.
- Rising prevalence of cardiovascular diseases fuels market demand.
- Increasing focus on accuracy, non-invasive technology, and connected health solutions drives innovation.

Market Dynamics

Drivers:

- Increasing prevalence of hypertension and cardiovascular disorders.
- Growing demand for continuous, real-time health monitoring.
- Adoption of non-invasive, wearable, and connected devices.

Restraints:

- High device costs in emerging markets.
- Limited awareness and adoption in rural regions.
- Data privacy concerns related to wearable health devices.

Key Market Opportunity:

Integration of wearable devices with AI analytics, mobile apps, and telemedicine platforms presents major growth opportunities. Companies offering cost-effective, accurate, and user-friendly solutions are well-positioned for expansion in both developed and emerging markets.

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Market Segmentation

By Device Type:

- Cuffless Wearable Devices
- Smartwatch-Integrated Monitors
- Arm Cuff Wearables
- Others

By Application:

- Hospitals & Clinics
- Home Healthcare
- Remote Patient Monitoring
- Fitness & Wellness

Cuffless and smartwatch-integrated devices dominate due to widespread adoption in home and remote healthcare settings.

Regional Insights

- North America leads the market due to high adoption of digital health solutions, strong telehealth infrastructure, and supportive regulations.
- Europe follows, supported by aging populations, advanced healthcare systems, and high awareness of preventive care.
- Asia Pacific is the fastest-growing region, fueled by increasing healthcare investments, large populations at risk of hypertension, and rising adoption of wearable technology in countries such as China and India.
- Latin America and Middle East & Africa are emerging markets, benefitting from expanding healthcare infrastructure and growing digital health awareness.

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Competitive Landscape

The wearable blood pressure monitoring device market is moderately consolidated, with key players focusing on product innovation, digital integration, and global expansion.

Company Insights:

- Omron Healthcare
- Withings
- Fitbit (Google LLC)
- iHealth Labs
- Samsung Electronics
- Medtronic Plc
- Biobeat

Key Industry Developments:

- Expansion of cuffless and AI-enabled wearable technologies.
- Integration with mobile apps and telemedicine platforms.
- Strategic partnerships to enhance device capabilities and global reach.
- Focus on eco-friendly, lightweight, and ergonomic device designs.

Innovation and Future Trends

The future of the wearable blood pressure monitoring device market is driven by AI analytics, IoT integration, and non-invasive technologies. Emerging trends include continuous cuffless

monitoring, predictive health alerts, smart notifications for abnormal readings, and cloud-based data management. Increasing focus on patient engagement, personalized health insights, and preventive care will further accelerate adoption globally.

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[Hip Resurfacing Implants Market](#) - The global hip resurfacing implants market size is expected to be valued at US\$5.4 billion in 2025. It is projected to reach US\$6.5 billion in 2032, growing at a CAGR of 2.7% during the forecast period of 2025-2032.

[Gamma Knife Market](#) - The global gamma knife market size is likely to be valued at US\$468.0 Mn in 2025. It is estimated to reach US\$692.0 million by 2032, growing at a CAGR of 5.7% during the forecast period of 2025 -2032.

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