

Actigraphy Device Market Size, Share & Trends Analysis Report By Application (Sleep Disorders, Physical Activity Monitoring, Chronic Disease Management), By End Use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Actigraphy Device Market Growth & Trends

The global actigraphy device market size is anticipated to reach USD 10.67 billion by 2030, growing at a CAGR of 26.09% from 2025 to 2030, according to a new report by Grand View Research, Inc. The market is experiencing significant growth due to the rising prevalence of sleep disorders worldwide, coupled with the increasing adoption of wearable health technologies and the growing geriatric population.

According to an article published by the NIH in February 2024, insomnia affects a significant portion of the global adult population, with symptoms reported by 30-35% of adults, and a much higher rate of up to 75% among older adults. In developed countries, around one in three adults struggle with falling asleep or staying asleep at least weekly, and 6-15% of adults are diagnosed with insomnia disorder.

The aging population is a key factor contributing to the expansion of the actigraphy device industry. According to the United Nations in January 2023, the global population of individuals aged 65 years and above is expected to increase from 761 million in 2021 to nearly 1.6 billion by 2050. Older adults are more prone to sleep disturbances, which increases the demand for advanced sleep monitoring solutions like actigraphy devices. Furthermore, as the elderly population grows, so does the incidence of sleep-related disorders, further boosting market demand.

Advancements in wearable technology are also playing a crucial role in the market's expansion. Devices that combine actigraphy with other health metrics, such as fitness

trackers and smartwatches, have gained popularity due to their convenience and multifunctionality. This trend is not only enhancing consumer adoption but also increasing the range of applications for actigraphy devices in both clinical and non-clinical settings.

In addition to the growing demand in the consumer market, healthcare providers are increasingly adopting actigraphy devices for clinical purposes. Actigraphy's ability to provide continuous, detailed data on sleep patterns is making it an important tool in the diagnosis and management of various sleep disorders. The use of these devices in clinical settings is expected to grow, especially with the expansion of telemedicine and home healthcare solutions.

Actigraphy Device Market Report Highlights

Based on application, the sleep disorders dominated the industry with the largest revenue share owing to the rising prevalence of sleep disorders such as insomnia, sleep apnea, and restless legs syndrome.

Based on end use, the healthcare providers dominated the industry with the largest revenue share owing to their central role in patient care and diagnosis.

North America dominated the actigraphy device industry with a revenue share of 35.76% in 2024. This can be attributed to the combination of factors including the high prevalence of sleep disorders, an aging population, and well-established healthcare infrastructure.

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