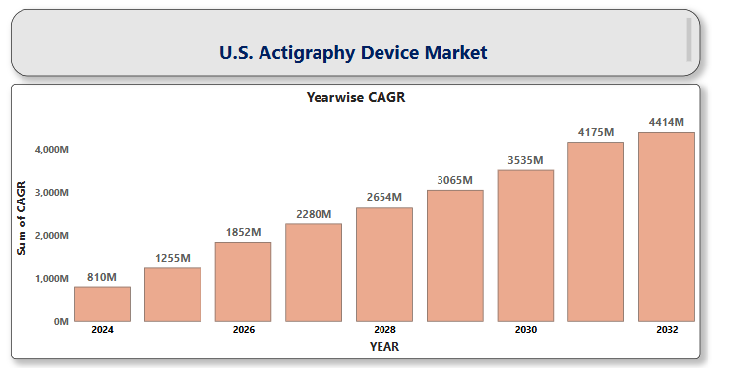
A close-up of hands holding a tablet and a pen

Description automatically generated**U.S. Actigraphy Device Market**

According to Intelli, the U.S. Actigraphy Device Market size was valued at USD 810.23 Million in 2024 and is projected to reach USD 4,414.52 Million by 2032, growing at a CAGR of 24.13% from 2025 to 2032.



Actigraphy devices are cutting-edge, non-invasive tools used to monitor and assess human rest-activity cycles, most commonly in the field of sleep medicine and circadian rhythm research. Designed to be worn on the wrist like a watch, these compact and lightweight devices are equipped with highly sensitive accelerometers that detect and record even the slightest bodily movements. By continuously monitoring motion over extended periods, often days or weeks, actigraphy devices provide a comprehensive and objective assessment of an individual’s sleep-wake cycles, physical activity levels, and overall behavioral patterns. This continuous data stream enables healthcare professionals and researchers to evaluate sleep quality, identify irregularities in circadian rhythms, and monitor conditions such as insomnia, sleep apnea, or restless leg syndrome in real-world settings without the need for complex, in-clinic procedures. With the rising prevalence of sleep disorders and growing awareness of the importance of sleep for holistic well-being, actigraphy has emerged as a critical, cost-effective alternative to polysomnography for long-term, real-world monitoring. With rapid technological advancements, modern actigraphy devices have evolved beyond simple motion trackers to incorporate integrated physiological sensors, wireless connectivity, and advanced data analytics.

**U.S. Actigraphy Device Market Definition**

**​**The U.S. actigraphy device market refers to the segment of the medical device industry focused on the development, production, and distribution of actigraphy devices within the United States. This market is experiencing significant growth, fueled by continuous advancements in technology and an increasing focus on personalized health and wellness monitoring.

**U.S. Actigraphy Device Market Overview**

​The U.S. actigraphy device market is experiencing robust growth, driven by several key factors that reflect the evolving landscape of healthcare and consumer wellness. Rising Prevalence of Sleep Disorders such as insomnia, sleep apnea, and circadian rhythm A close-up of hands holding a tablet and a pen

Description automatically generateddisruptions, is a primary key driver. In addition, the evolution of actigraphy devices has been marked by significant technological progress, transforming them into sophisticated health monitoring tools. Today’s devices come equipped with wireless connectivity, real-time data analytics, and seamless integration with smartphones and cloud-based platforms. These innovations not only improve user convenience and engagement but also empower healthcare providers with comprehensive, real-time data on sleep and activity patterns. Furthermore, the growing emphasis on home-based healthcare, coupled with the integration of actigraphy sensors into popular consumer wearables such as smartwatches and fitness trackers, has significantly increased the accessibility and appeal of sleep monitoring. Government-led initiatives aimed at raising public awareness about the importance of sleep health have played a crucial role in supporting the growth of the actigraphy device market.

**U.S. Actigraphy Device Market Segmentation**

The U.S. actigraphy device market is segmented based on product type, technology, and end-user, reflecting its diverse use across clinical, homecare, and research settings.

**U.S. Actigraphy Device Market, By Product Type**

* **Wrist Actigraphy Devices**
* **Wearable Actigraphy Monitors**

​In the U.S. actigraphy device market, Wrist Actigraphy Devices currently lead in market share. Their leading position can be attributed to their intuitive design, comfortable fit, and ability to be worn continuously over extended periods, making them highly effective for both clinical assessments and home-based sleep monitoring. Wearable Actigraphy Monitors, which encompass devices integrated into clothing or accessories, hold a significant share. This segment is seeing rapid expansion, fueled by technological innovations and a growing consumer desire for personalized health monitoring solutions. The integration of actigraphy sensors into everyday wearables, such as smartwatches and fitness trackers, has further expanded their appeal, making sleep monitoring more accessible and appealing to a broader audience.

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Description automatically generated**U.S. Actigraphy Device Market, By Technology**

* **Wireless Actigraphy Devices**
* **USB/Manual Download Devices**

In the U.S. actigraphy device market, Wireless Actigraphy Devices dominate with a significant share due to their ability to provide real-time data transmission through Bluetooth or Wi-Fi. These devices enable seamless monitoring and remote tracking, which is highly appealing for both healthcare providers and consumers seeking continuous, on-the-go data access. This segment is expected to grow rapidly as wireless technologies become more advanced and integrated with mobile health apps. Conversely, USB/Manual Download Devices make up a smaller share of the market, but they continue to hold value in clinical environments where manual data uploads are necessary for in-depth analysis. Although these devices provide accurate and detailed data, their lack of real-time capabilities is gradually being outpaced by the growing demand for more convenient and efficient wireless solutions.

**U.S. Actigraphy Device Market, By End-User**

* **Healthcare Providers**
* **Patients/Consumers**
* **Academic & Research Institutions**

In the U.S. actigraphy device market, Healthcare Providers hold the largest share, as these devices are integral to diagnosing and managing sleep disorders, chronic conditions, and physical activity levels in clinical settings. The Patients/Consumer segment is also expanding rapidly, driven by the growing interest in personal health monitoring and the increasing availability of wearable actigraphy devices that track sleep and activity outside of clinical settings. Lastly, Academic & Research Institutions represent a significant portion of the market as well, using actigraphy devices for scientific studies, clinical trials, and sleep-related research to gather reliable data on sleep behavior and disorders.

**Key Players**

The “U.S. actigraphy device market " study report will provide valuable insight emphasizing the U.S. market. The major players in the market Fitbit, Inc., Apple Inc., ResMed Inc., Philips Healthcare, SleepScore Labs, ActiGraph, SOMNOmedics, Oura Health, Nox Medical, Zebra A close-up of hands holding a tablet and a pen

Description automatically generatedMedical Vision, Samsung Electronics, iHealth Labs among others. Our market analysis also entails a section solely dedicated to such major players wherein our analysts provide an insight into the financial statements of all the major players, along with product benchmarking and SWOT analysis.

**Key Developments**

* In 2024, ActiGraph launched the LEAP device, a wrist-worn monitor with advanced multi-sensor technology.
* In 2024, Apple upgraded its Series 10 wearable with a sleep apnea detection feature that monitors breathing issues during sleep.

**Market Attractiveness**

The image of market attractiveness provided further helps to get information about the region leading in the U.S. actigraphy device market. We cover the major impacting factors driving the industry growth in the given region.

**Porter’s Five Forces**

The image provided would further help to get information about Porter's five forces framework providing a blueprint for understanding the behavior of competitors and a player's strategic positioning in the respective industry. Porter's five forces model can be used to assess the competitive landscape U.S. actigraphy device market, gauge the attractiveness of a particular sector, and assess investment possibilities.

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