

Electroencephalography Devices Market Research Reveals Path To \$1.91 Billion By 2030

*The Business Research Company's
Electroencephalography Devices Market
Research Reveals Path To \$1.91 Billion By
2030*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 5, 2026
/EINPresswire.com/ -- "The

[electroencephalography devices](#)

[market](#) has experienced notable growth recently, reflecting increased attention to neurological health worldwide. As the prevalence of neurological disorders rises and diagnostic technologies advance, this market is poised for continued expansion in the coming years. Let's explore the current market size, the key factors driving growth, important regional insights, and the trends shaping the future of EEG devices.



Expected to grow to \$1.91 billion in 2030 at a compound annual growth rate (CAGR) of 7.9%"

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Market Expansion and Growth Projections for the Electroencephalography Devices Market

In recent years, the electroencephalography devices market has expanded significantly, reaching a value of \$1.3 billion in 2025. It is projected to rise further to \$1.41 billion in 2026, representing a compound annual growth rate (CAGR) of 8.8%. This upward trend in the historical period

has been fueled by the increasing incidence of neurological disorders, growing hospital-based neurodiagnostic procedures, expansion of neurology departments, and a higher occurrence of epilepsy and sleep-related disorders. Additionally, improved accessibility to EEG diagnostic systems has played a vital role in this growth.

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Looking ahead, the market is forecast to continue its strong performance, reaching \$1.91 billion

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by 2030 with a CAGR of 7.9%. Several factors contribute to this anticipated growth, including the aging global population, rising demand for early neurological diagnosis, and the growing adoption of wearable brain monitoring devices. The expansion of diagnostic centers and increased healthcare expenditure focused on neurological care also support this positive outlook. Key trends in the forecast period include a shift toward portable and wearable EEG devices, increased demand for long-term brain activity monitoring, broader use of EEGs in diagnosing sleep and neurological disorders, a movement toward home-based and ambulatory EEG testing, and a preference for multi-channel EEG systems.

Understanding Electroencephalography Devices and Their Use

Electroencephalography (EEG) devices are specialized medical tools designed to capture and record the brain's electrical activity. These devices detect electrical signals generated by neurons through electrodes placed on the scalp. EEG technology is extensively used in clinical environments to diagnose and monitor a variety of conditions such as epilepsy, sleep disorders, brain injuries, and other neurological diseases, providing essential data that supports treatment and management.

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Key Factors Driving the Growth of the Electroencephalography Devices Market

One of the main forces propelling the EEG devices market is the rising prevalence of neurological disorders worldwide. These disorders affect the central and peripheral nervous systems, including the brain, spinal cord, and nerves. Factors such as an aging population, lifestyle shifts, genetic predispositions, improved diagnostic methods, and heightened awareness are contributing to the growing number of neurological cases. EEG devices play a crucial role in the diagnosis and ongoing monitoring of these disorders by recording and analyzing the brain's electrical signals, which helps healthcare providers evaluate and treat conditions like epilepsy, sleep disturbances, and brain trauma.

For example, a report from the World Federation of Neurology published in October 2023 highlighted that over 40% of the global population currently suffers from a neurological condition, with projections suggesting this figure could nearly double by 2050. This alarming trend underscores the expanding need for EEG technology, thereby driving market growth.

Regional Overview of the Electroencephalography Devices Market

In 2025, North America held the largest share of the EEG devices market, establishing itself as a key region in terms of market size and technological adoption. The market report includes coverage of other important regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa, providing a comprehensive global perspective on market dynamics and growth opportunities.

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- Total addressable market (TAM) analysis
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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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