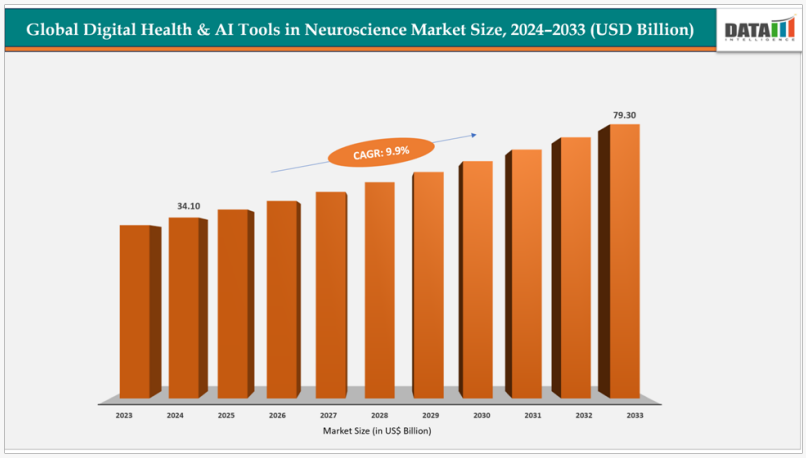
Digital Health & AI Tools in Neuroscience Industry Growth Poised to reach US$ 79.30 billion by 2033

"Mind Meets Machine: The Global Surge of Digital Health & AI Innovations in Neuroscience"



digital health & AI tools in neuroscience market

AUSTIN, TX, UNITED STATES, September 25, 2025 / EINPresswire.com/ -- Market Size and Forecast

According to the DataM Intelligence: The global digital health & AI tools in neuroscience market size was valued as us$ 34.10 billion in 2024 and is expected to reach US$ 79.30 billion by 2033, growing at a CAGR of 9.9% during the forecast period 2025-2033.

> Digital Health & AI tools in Neuroscience Market in the USA projected to hit $79.30B by 2033 at 9.9% CAGR – transformative market trends."
>
> *DataM Intelligence 4Market Research LLP*

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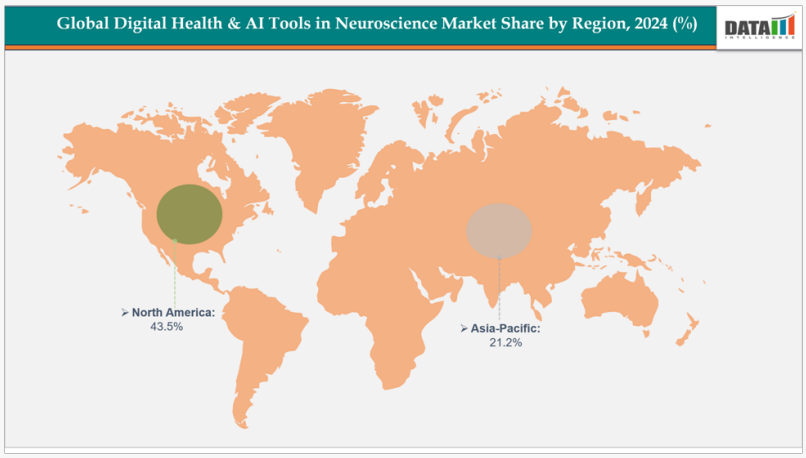
Key Highlights

North America leads the digital health & AI neuroscience market with 43.5% revenue share in 2024.

Asia-Pacific is the fastest-growing region, with a CAGR of 8.1% over the forecast period.

• Artificial intelligence-driven cognitive assessment platforms are transforming neuroscience diagnostics by enabling early detection of neurological disorders such as Alzheimer's disease, Parkinson's disease, and mild cognitive impairment. These platforms analyze large datasets from

neuroimaging, speech patterns, and behavioral assessments to detect subtle cognitive changes that may be missed in traditional evaluations. By providing rapid, objective, and scalable assessments, AI tools improve diagnostic accuracy and reduce the burden on clinicians, allowing for timely intervention and better patient outcomes.



global digital health & AI tools in neuroscience market

• These AI-powered platforms are also increasingly being integrated with telehealth solutions, making brain health assessments accessible remotely. This approach allows patients to complete cognitive tests from home while clinicians receive detailed reports and predictive analytics. Additionally, the continuous collection of longitudinal data enables personalized care plans and more precise monitoring of disease progression, creating a shift toward proactive and preventive neuroscience care.

Analyst Concludes: The integration of AI and digital health tools in neuroscience is poised to revolutionize patient care by enabling earlier and more accurate detection of neurological disorders. Analysts believe that as these technologies mature and gain wider adoption, they will not only improve clinical outcomes but also reduce healthcare costs and expand access to brain health services globally.
Recent Developments:

• In February 2024, AdvancedMD announced over 30 updates to its EHR, practice management, and patient engagement tools. The release focused on enhancing operational agility and improving billing capabilities to optimize practice efficiency, ensure financial stability, and drive success and sustainability in healthcare practices.

Major Companies:

Top companies in the global digital health & AI tools in neuroscience market include Akili Interactive, Pear Therapeutics, Biofourmis, Empatica, Neuroelectrics, Neuralink, Blackrock Neurotech, Synchron, MindMaze, Precision Neuroscience and among others.

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Market Dynamics – Drivers

The growing prevalence of neurological and psychiatric disorders worldwide is fueling the Digital Health & AI Tools in Neuroscience market. These technologies support early diagnosis, continuous monitoring, personalized treatment, and remote management of complex brain conditions, overcoming limitations of traditional methods. AI can analyze brain imaging, EEG data, and behavioral patterns, while digital therapeutics provide targeted interventions for disorders like ADHD, depression, and cognitive decline, improving clinical outcomes and accessibility.

In 2021, over 3.4 billion people (43% of the global population) had at least one neurological condition, resulting in 443 million DALYs lost. Mental health conditions affect more than 1 billion people globally, with anxiety and depression being most common. In low- and middle-income countries, treatment gaps exceed 50–75%, emphasizing the urgent need for scalable AI- and digital-based solutions.

The software segment dominates components, holding 45.1% of the market in 2024.

The Alzheimer's/dementia segment is projected to hold a 41.2% share of the digital health & AI neuroscience market in 2024.

By Component: (Software, Hardware, Services)

By Technology: (Machine Learning , Signal Processing, Virtual Reality , Cloud / Compute & GPU Providers) By Application(Alzheimer’s / Dementia, Stroke & Neurorehabilitation, Epilepsy / Seizure Monitoring, Mental Health / Psychiatric Disorders) By End User(Hospitals, Clinics, Specialty Centers) By Regions Covered(North America, Europe, Asia-Pacific, South America and the Middle East & Africa)

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Regional Overview

North America leads with 43.5% market share in 2024, driven by high healthcare spending, advanced infrastructure, early adoption of AI, strong R&D, and supportive government initiatives. The U.S. sees growth from AI investments, high neurological disorder prevalence, favorable reimbursement, and platforms like Linus Health’s Anywhere for scalable brain health solutions.

Europe holds 34.5% share, supported by aging populations, rising cognitive disorder incidence, robust healthcare systems, and government-backed digital health initiatives. Germany leads with advanced infrastructure, AI adoption in Alzheimer’s, dementia, stroke care, and strong public/private funding.

Asia-Pacific is the fastest-growing region (CAGR 8.1%), fueled by aging populations, increasing

neurological disorders, and government support for AI healthcare solutions. Japan leads regional adoption with AI neurodiagnostics, cognitive assessment tools, and remote monitoring in hospitals and long-term care facilities.

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Our platform has Insights on markets that uncover the latest market research data that are distinct from the competition. With coverage across 10 major industries in the marketplace research, dataM Intelligence benefits thousands of companies by helping them take their innovations early to the market, and by providing a complete view of the market with statistical forecasts. Our strategy-centric framework and value-added services will let individuals and corporates with ease of access and custom personalization to research and markets.

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