

# AI in Neurology: Global Markets

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## Abstracts

The report provides an overview of the global market for AI in neurology and analyzes market trends. It includes global revenue (in \$ millions) with 2024 as the base year, estimated data for 2025, and projections from 2026 to 2030. The market is segmented based on type, end-user industry and region. The regions covered in this study include North America, Europe, Asia-Pacific, the Middle East and Africa (MEA) and South America, focusing on major countries in these regions.

The report provides an in-depth analysis of the global AI in neurology market, emphasizing the major driving forces and emerging technologies shaping this evolving field. It explores how artificial intelligence (AI) transforms neurology through enhanced diagnostic capabilities, early disease detection, personalized treatment planning and remote patient monitoring for neurological conditions such as Alzheimer's, Parkinson's, stroke and epilepsy.

This report analyzes AI adoption and use cases in neurology, highlighting geographic trends across North America, Europe, Asia-Pacific, South America and MEA. It also examines AI disruption across industry verticals and value chain stages, while presenting market spending patterns, investment forecasts, major company expenditures and venture capital funding in AI-driven neurology technologies.

The report examines the environmental, social and corporate governance (ESG) aspects influencing the adoption and ethical use of AI in neurology, reviews recent patent filings and innovation trends that reflect technological advancements in AI-based neuroimaging, brain-computer interfaces, digital therapeutics and wearable neurological devices.

A comprehensive competitive landscape analysis ranks and evaluates the market share of major players globally, highlighting their strategic initiatives, R&D investments and

technological strengths in AI neurology solutions. The report concludes with detailed company profiles of key market participants, offering insights into their product portfolios, partnerships, acquisitions and contributions to the advancement of AI in neurological healthcare.

## **Report Includes**

52 data tables and 69 additional tables

An overview of the global market for AI in neurology

In-depth analysis of global market trends, featuring historical revenue data for 2022-2024, estimated figures for 2025, and projected CAGRs through 2030

Evaluation of the current market size and revenue growth prospects specific to AI in neurology, accompanied by a market share analysis by product type, application, end-user industry and region

Analysis of current and future demand in the global neurology market, along with a detailed analysis of the competitive environment, market regulations and reimbursement practices

Analysis of drivers, challenges and opportunities affecting market growth

Coverage of evolving technologies, the current and future market potential, R&D activities, growth strategies, new product pipeline, regulatory framework and reimbursement scenarios, and ESG trends of the market

Market share analysis of the key market participants in the neurology market, along with their research priorities, product portfolios, global rankings and competitive landscape

Company profiles of major players within the industry, including Siemens Healthineers AG, GE Healthcare, Koninklijke Philips N.V., Nvidia Corp., and Canon Inc.

## **Summary:**

The global market for AI in neurology was valued at \$563.6 million in 2024 and is estimated to increase from \$705.6 million in 2025 to reach \$2.5 billion by 2030, at a compound annual growth rate (CAGR) of 28.9% from 2025 through 2030.

The AI in neurology market is experiencing strong growth, driven by the increasing burden of neurological disorders such as Alzheimer's disease, Parkinson's disease, epilepsy and stroke, coupled with the growing demand for early diagnosis, personalized treatment and clinical workflow optimization. Advancements in machine learning (ML), deep learning (DL), and neuroimaging analysis are accelerating the development of AI-based tools for diagnosis, prognosis and therapeutic decisionmaking. Supportive regulatory frameworks in the U.S. and Europe, along with growing investments from both public and private sectors, are further fueling market adoption and driving innovation, ultimately improving patient outcomes and transforming neurological care delivery.

Leading companies, including Siemens Healthineers, GE HealthCare, Canon Inc., Koninklijke Philips N.V. and Nvidia Corp., are shaping the market through strategic investments, AI-integrated imaging platforms and collaborations with research institutions. Emerging companies, such as Neosoma, BRAINOMIX and Viz.ai, contribute to niche innovations in stroke detection, tumor characterization and clinical triage support.

Ongoing product launches, FDA clearances, strategic alliances and cross-border research initiatives reinforce a competitive and innovation-driven landscape. As the demand for accurate, scalable and costeffective neurology solutions rises globally, particularly in aging populations, the AI in neurology market is projected to continue its upward trajectory.

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ACTIV SURGICAL

AIRAMED GMBH

BRAINOMIX

BRAINQ TECHNOLOGIES LTD.

CANON INC.

GE HEALTHCARE

KONINKLIJKE PHILIPS N.V.

MEDTRONIC

NEOSOMA INC.

NEURALINK

NEUROX

NVIDIA CORP.

QURE.AI

SIEMENS HEALTHINEERS AG

VIZ.AI INC.

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