

Vietnam Neurovascular Devices Market, By Device (Cerebral Embolization and Aneurysm Coiling Devices, Cerebral Angioplasty and Stenting Systems, Neurothrombectomy Devices, Support Devices, Trans Radial Access Devices), By Therapeutic Application (Stroke, Cerebral Artery, Cerebral Aneurysm, Others), By End User (Hospitals, Specialty Clinics, Others), By Region, Competition, Forecast & Opportunities, 2020-2030F

<https://marketpublishers.com/r/V4B7F5992CFFEN.html>

Date: July 2025

Pages: 85

Price: US\$ 3,500.00 (Single User License)

ID: V4B7F5992CFFEN

Abstracts

Market Overview

Vietnam Neurovascular Devices Market was valued at USD 135.12 Million in 2024 and is expected to reach USD 198.51 Million by 2030 with a CAGR of 6.58%. The Vietnam Neurovascular Devices Market is experiencing dynamic growth, propelled by an increasing neurovascular disease burden, shifting clinical protocols, and a healthcare system undergoing structural modernization. With stroke now the leading cause of death and long-term disability in the country, demand for cutting-edge neurointerventional solutions is rising sharply. This evolving landscape is positioning Vietnam as a strategic destination for global manufacturers and distributors seeking to penetrate high-growth emerging markets.

As of 2021, Vietnam had an estimated population of 98.32 million, with a demographic profile largely dominated by a young population base. However, the aging segment of individuals aged 65 and older accounted for approximately 7.7% of the total population, signaling a gradual demographic shift, escalating stroke incidence, and targeted

government investment in stroke care infrastructure, the market is set on a robust growth trajectory. As Vietnam's public health agenda prioritizes access to minimally invasive, high-efficacy treatment modalities, the neurovascular devices sector offers compelling opportunities for innovation, market entry, and long-term value creation across both public and private healthcare channels.

Key Market Drivers

Rising Incidence of Neurovascular Disorders—Particularly Stroke

The increasing prevalence of neurovascular disorders, particularly stroke, is one of the most powerful catalysts driving the growth of the Vietnam Neurovascular Devices Market. Stroke represents the primary cause of both mortality and long-term disability in Vietnam, posing a significant public health and economic burden. According to reported data, the country faces an incidence rate of 161 new stroke cases and a prevalence rate of 415 existing cases per 100,000 population highlighting the urgent demand for timely intervention and advanced neurovascular care solutions. The disease burden is rising rapidly due to aging demographics, lifestyle-related risk factors (such as hypertension, obesity, diabetes, and smoking), and delayed diagnosis in many rural areas. Vietnam continues to face a substantial burden from ischemic stroke, which ranks among the country's leading causes of death and long-term disability. In 2021 alone, stroke accounted for 166,954 fatalities nationwide. The condition demonstrated a high incidence rate of 222 cases per 100,000 population, while the prevalence reached 1,541 per 100,000 reflecting a critical and growing need for scalable stroke management solutions and advanced neurovascular interventions within the country's healthcare infrastructure. Hemorrhagic stroke cases are creating a need for aneurysm coiling systems, embolic agents, and flow-diverting stents, particularly in tertiary care centers. As the number of stroke patients continues to grow, device utilization rates in neurointerventional procedures are rising, particularly in urban hospitals equipped to handle such emergencies.

Stroke is a time-critical condition, with patient outcomes heavily dependent on how quickly blood flow to the brain can be restored. This creates a clinical imperative to adopt fast, effective intervention tools, boosting reliance on cutting-edge neurovascular devices. Hospitals are under pressure to shorten door-to-needle and door-to-groin times, encouraging the use of devices that support rapid clot removal and minimal procedural complexity. Increasing focus on the "golden hour" in stroke treatment is fueling investment in catheter-based technologies, diagnostic imaging, and supportive devices. This urgency is compelling hospitals to upgrade their neurointerventional

capabilities, leading to higher capital and consumable spending on neurovascular product lines. In response to the growing stroke burden, Vietnam's Ministry of Health is working to establish more stroke-ready hospitals across key urban and provincial centers. These facilities require trained personnel and essential neurovascular equipment. Expanded infrastructure is directly increasing the number of centers capable of performing neurointerventional stroke treatment, thereby expanding the addressable market for device suppliers. Standardized clinical pathways for acute stroke care are encouraging routine use of thrombectomy and embolization devices as part of the treatment algorithm. Device manufacturers benefit from institutional demand and predictable procurement patterns, especially as stroke care protocols become more widespread and standardized across Vietnam.

Key Market Challenges

Limited Access to Advanced Neurointerventional Care Outside Major Cities

Despite the growth of healthcare infrastructure in urban areas, access to neurovascular intervention remains highly centralized, with specialized stroke treatment and endovascular procedures largely confined to major cities such as Ho Chi Minh City and Hanoi.

Patients in rural or remote regions face long travel distances and treatment delays, reducing the effectiveness of time-sensitive stroke interventions such as mechanical thrombectomy. Regional and district hospitals often lack trained interventional neuroradiologists, modern catheterization labs, and real-time imaging systems, limiting their ability to offer advanced procedures. The concentration of neurovascular treatment in a few urban hubs restricts the geographical expansion of the market.

Until comprehensive care networks and telemedicine-based referral systems are developed, market opportunities will remain concentrated, preventing the broader distribution of neurovascular devices across the country.

Key Market Trends

Expansion of Specialized Neurointerventional Infrastructure

Vietnam is witnessing major investments in healthcare infrastructure particularly in urban hubs such as Ho Chi Minh City, Hanoi, and Da Nang where hospitals are being equipped with specialized departments for neurology, neurosurgery, and interventional

radiology.

Public-private partnerships are accelerating the modernization of catheterization labs and imaging centers. Tertiary and quaternary care hospitals are actively expanding their inventory of neurovascular devices to meet procedural demands. Training initiatives and physician workshops are improving the clinical adoption of advanced techniques like coil embolization, flow diversion, and balloon angioplasty.

This infrastructure development will enable wider access to neurointerventional care beyond major cities, increasing the penetration of neurovascular devices in Tier 2 and Tier 3 markets, thereby broadening market reach and boosting volume growth.

Key Market Players

Stryker

Johnson & Johnson Services, Inc.

Medtronic

Terumo Vietnam Co., Ltd.

Penumbra, Inc.

Report Scope:

In this report, the Vietnam Neurovascular Devices Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Vietnam Neurovascular Devices Market, By Device:

Cerebral Embolization and Aneurysm Coiling Devices

Cerebral Angioplasty and Stenting Systems

Neurothrombectomy Devices

Support Devices

Trans Radial Access Devices

Vietnam Neurovascular Devices Market, By Therapeutic Application:

Stroke

Cerebral Artery

Cerebral Aneurysm

Others

Vietnam Neurovascular Devices Market, By End User:

Hospitals

Specialty Clinics

Others

Vietnam Neurovascular Devices Market, By Region:

Northern Vietnam

Central Vietnam

Southern Vietnam

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Vietnam Neurovascular Devices Market.

Available Customizations:

Vietnam Neurovascular Devices market report with the given market data, TechSci

Vietnam Neurovascular Devices Market, By Device (Cerebral Embolization and Aneurysm Coiling Devices, Cerebral...

Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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