

India 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

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Report description:

Market Overview

India Neurovascular Devices Market was valued at USD 202.95 Million in 2024 and is projected to reach USD 322.43 Million by 2030, growing at a CAGR of 7.98% during the forecast period. The market is witnessing accelerated growth due to a sharp increase in cerebrovascular conditions, particularly strokes, which have emerged as a major cause of mortality and long-term disability across India. This evolving healthcare scenario is driving the demand for advanced and minimally invasive neuro-interventional solutions. As clinical practices evolve, major hospitals and healthcare institutions are enhancing their procurement strategies to incorporate cutting-edge neurovascular technologies. Increased focus on early diagnosis, stroke management, and better access to interventional care is reshaping the landscape of neurological treatment across urban and semi-urban India.

Key Market Drivers

Increasing Prevalence of Neurological Disorders, Especially Stroke

The rising burden of neurological disorders-particularly stroke-remains a core driver of the India Neurovascular Devices Market. With an estimated prevalence ranging from 3.0 to 11.9 cases per 1,000 individuals, neurological illnesses are placing mounting

pressure on India's healthcare infrastructure. A study published in The Lancet Neurology revealed that annual stroke incidence more than doubled from 650,000 cases in 1990 to over 1.25 million in 2021. This rise is attributed to common risk factors such as hypertension, diabetes, sedentary lifestyles, and increasing life expectancy. Importantly, strokes are now increasingly affecting younger and middle-aged adults in both urban and semi-urban populations. As a result, the need for scalable, interventional medical solutions is more urgent than ever. This has significantly boosted procedural demand for thrombectomy, stenting, embolization, and aspiration techniques—thereby accelerating the use of devices like stent retrievers, microcatheters, and flow diverters across Indian hospitals.

Key Market Challenges

High Cost of Neurovascular Devices and Limited Insurance Coverage

A major constraint for the market is the high cost associated with advanced neurovascular devices, most of which are imported. Technologies such as stent retrievers, flow diverters, embolization coils, and thrombectomy catheters come with premium pricing, which increases the financial burden on patients. Limited insurance coverage for these high-cost procedures restricts accessibility and poses a challenge for widespread adoption, particularly in smaller hospitals and public health settings.

Key Market Trends

Expansion of Neuro-Interventional Infrastructure in Tier 2 and Tier 3 Cities

While neurovascular procedures were previously concentrated in large private hospitals in major metropolitan areas, there is now a shift toward expanding such infrastructure in Tier 2 and Tier 3 cities. Public and private stakeholders are actively setting up stroke care units, neuroimaging facilities, and interventional radiology departments in secondary urban centers and medical colleges. This trend is increasing the installed base for neurovascular equipment and improving access to neurological care in underserved regions. Additionally, as clinical training initiatives expand and device manufacturers establish regional partnerships, device adoption is expected to grow substantially in semi-urban and smaller cities.

Key Market Players

- Stryker
- Medtronic
- Terumo India Private Limited
- Medical Device Business Services, Inc
- Penumbra, Inc.
- B. Braun SE
- Integra LifeSciences Corporation
- Acandis India Pvt. Ltd
- MicroPort Scientific Corporation

Report Scope:

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

- India Neurovascular Devices Market, By Device:
 - o Cerebral Embolization and Aneurysm Coiling Devices
 - o Cerebral Angioplasty and Stenting Systems
 - o Neurothrombectomy Devices
 - o Support Devices
 - o Trans Radial Access Devices
- India Neurovascular Devices Market, By Therapeutic Application:
 - o Stroke
 - o Cerebral Artery
 - o Cerebral Aneurysm
 - o Others
- India Neurovascular Devices Market, By Therapeutic End User:
 - o Hospitals

- o Specialty Clinics
- o Others
 - India Neurovascular Devices Market, By Region:
- o North India
- o East India
- o West India
- o South India

Competitive Landscape

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

Available Customizations:

India Neurovascular Devices market report with the given market data, TechSci 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).

Table of Contents:

1. Product Overview
 - 1.1. Market Definition
 - 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations
 2. Research Methodology
 - 2.1. Objective of the Study
 - 2.2. Baseline Methodology
 - 2.3. Key Industry Partners
 - 2.4. Major Association and Secondary Sources
 - 2.5. Forecasting Methodology
 - 2.6. Data Triangulation & Validation
 - 2.7. Assumptions and Limitations
 3. Executive Summary
 - 3.1. Overview of the Market
 - 3.2. Overview of Key Market Segmentations
 - 3.3. Overview of Key Market Players
 - 3.4. Overview of Key Regions/Countries
 - 3.5. Overview of Market Drivers, Challenges, Trends
 4. Voice of Customer
 5. India Neurovascular Devices Market Outlook
 - 5.1. Market Size & Forecast
 - 5.1.1. By Value
 - 5.2. Market Share & Forecast
 - 5.2.1. By Device (Cerebral Embolization and Aneurysm Coiling Devices, Cerebral Angioplasty and Stenting Systems, Neurothrombectomy Devices, Support Devices, Trans Radial Access Devices)
 - 5.2.2. By Therapeutic Application (Stroke, Cerebral Artery, Cerebral Aneurysm, Others)
 - 5.2.3. By End User (Hospitals, Specialty Clinics, Others)
 - 5.2.4. By Region

- 5.2.5. By Company (2024)
- 5.3. Market Map
- 6. North India Neurovascular Devices Market Outlook
 - 6.1. Market Size & Forecast
 - 6.1.1. By Value
 - 6.2. Market Share & Forecast
 - 6.2.1. By Device
 - 6.2.2. By Therapeutic Application
 - 6.2.3. By End User
 - 7. South India Neurovascular Devices Market Outlook
 - 7.1. Market Size & Forecast
 - 7.1.1. By Value
 - 7.2. Market Share & Forecast
 - 7.2.1. By Device
 - 7.2.2. By Therapeutic Application
 - 7.2.3. By End User
 - 8. East India Neurovascular Devices Market Outlook
 - 8.1. Market Size & Forecast
 - 8.1.1. By Value
 - 8.2. Market Share & Forecast
 - 8.2.1. By Device
 - 8.2.2. By Therapeutic Application
 - 8.2.3. By End User
 - 9. West India Neurovascular Devices Market Outlook
 - 9.1. Market Size & Forecast
 - 9.1.1. By Value
 - 9.2. Market Share & Forecast
 - 9.2.1. By Device
 - 9.2.2. By Therapeutic Application
 - 9.2.3. By End User
 - 10. Market Dynamics
 - 10.1. Drivers
 - 10.2. Challenges
 - 11. Market Trends & Developments
 - 11.1. Recent Developments
 - 11.2. Product Launches
 - 11.3. Mergers & Acquisitions
 - 12. India Economic Profile
 - 13. India Neurovascular Devices Market: SWOT Analysis
 - 14. Competitive Landscape
 - 14.1. Stryker
 - 14.1.1. Business Overview
 - 14.1.2. Product & Service Offerings
 - 14.1.3. Recent Developments
 - 14.1.4. Key Personnel
 - 14.1.5. Financials (If Listed)
 - 14.1.6. SWOT Analysis

- 14.2. Medtronic
- 14.3. Terumo India Private Limited
- 14.4. Medical Device Business Services, Inc
- 14.5. Penumbra, Inc.
- 14.6. B. Braun SE
- 14.7. Integra LifeSciences Corporation
- 14.8. Acandis India Pvt. Ltd
- 14.9. MicroPort Scientific Corporation
- 15. Strategic Recommendations
- 16. About Us & Disclaimer

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