

# Neuroendovascular Coil Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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## Abstracts

The Global Neuroendovascular Coil Market was valued at USD 1 billion in 2024 and is estimated to grow at a CAGR of 6% to reach USD 1.9 billion by 2034. The increasing prevalence of brain aneurysms and ischemic strokes, coupled with risk factors like hypertension, diabetes, and smoking, is fueling the demand for neuroendovascular coils. The aging population is also contributing to the rise in cerebral aneurysm diagnoses. Innovations in coil materials, designs, and delivery systems have made endovascular therapy safer, more accurate, and more effective. Recent advancements in technology have led to FDA approvals for several new coiling systems, which reflect the rapid development of this treatment method.

These new coils are more conformable, detachable, and radiopaque, making them suitable for treating aneurysms, even in complex vascular anatomies. Endovascular coiling has been shown to have a lower risk of procedural complications than traditional surgical approaches, contributing to its growing adoption by physicians. Minimally invasive treatments are increasingly favored by both doctors and patients because they involve quicker recovery times, fewer risks, and shorter hospital stays. The American Heart Association and American Stroke Association recommend neuroendovascular coiling for the initial treatment of most intracranial aneurysm types, making it an important alternative to surgical clipping.

The bare platinum coils segment in the neuroendovascular coil market held 52.8% share in 2024. These coils are widely used due to their proven clinical effectiveness in treating intracranial aneurysms. Once placed, bare platinum coils provide reliable aneurysm occlusion over time, even as they age. The long-standing clinical track record of these coils ensures minimal complication rates, making them the preferred choice for

many cases. Their established reliability continues to drive demand in both developed and emerging markets. Additionally, the price point of bare platinum coils offers an advantage in healthcare systems where cost sensitivity is a significant factor, and reimbursement is not always available.

Hospitals represented the dominant segment in the neuroendovascular coil market, contributing a 69.1% share in 2024. Hospitals worldwide are increasingly setting up dedicated units for stroke and neurovascular care to meet the growing demand for time-sensitive procedures such as aneurysm coiling. These specialized units rely heavily on a steady supply of neuroendovascular coils, which are essential for treating cerebrovascular diseases. With the focus on neurological care and preventing complications after stroke, the demand for advanced coiling devices has risen significantly. In high-income nations, private insurance providers and public healthcare systems offer supportive reimbursement policies for hospital-based endovascular therapies.

U.S Neuroendovascular Coil Market is expected to reach 752.2 million by 2034. The country's extensive network of specialized stroke centers and neurosurgical departments facilitates a high volume of neuroendovascular procedures. This robust healthcare infrastructure promotes the widespread use of neuroendovascular coils and supports the adoption of new technologies over time. The steady growth of these healthcare facilities and the increasing uptake of neuroendovascular treatment technologies are key factors contributing to the market's expansion in the U.S.

Key players in the Global Neuroendovascular Coil Market include: Acandis, Allium Medical, Balt, Boston Scientific, Cardinal Health, Cook Medical, Kaneka, Medtronic, MicroPort, MicroVention, Penumbra, Rapid Medical, Shape Memory Medical, Stryker, Terumo. To solidify their position in the neuroendovascular coil market, companies are focusing on multiple strategies. These include heavy investments in research and development to introduce advanced coil technologies, with a particular focus on improving safety, precision, and delivery mechanisms. By developing new coil materials and designs, manufacturers are responding to the growing demand for more effective treatments for complex aneurysms. Companies are also expanding their geographic reach through partnerships and collaborations with hospitals and medical centers, particularly in regions where healthcare infrastructure is rapidly developing.

### **Companies Mentioned**

Acandis, Allium Medical, Balt, Boston Scientific, Cardinal Health, Cook Medical,

Kaneka, Medtronic, MicroPort, MicroVention, Penumbra, Rapid Medical, Shape Memory Medical, Stryker, Terumo

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definitions
- 1.2 Research design
  - 1.2.1 Research approach
  - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
  - 1.3.1 Base year calculation
  - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
  - 1.5.1 Primary sources
  - 1.5.2 Data mining sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis

### CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
  - 3.2.1 Growth drivers
    - 3.2.1.1 Increasing incidence of cerebral aneurysms and stroke
    - 3.2.1.2 Technological advancements in coil design and delivery systems
    - 3.2.1.3 Rising geriatric population
    - 3.2.1.4 Growing adoption of image-guided and endovascular procedures
  - 3.2.2 Industry pitfalls and challenges
    - 3.2.2.1 High cost of neuroendovascular procedures and devices
    - 3.2.2.2 Risk of procedure-related complications and recurrence of aneurysms
- 3.3 Growth potential analysis
- 3.4 Technology landscape
- 3.5 Future market trends
- 3.6 Regulatory landscape
- 3.7 Patent analysis
- 3.8 Porter's analysis
- 3.9 PESTEL analysis

### 3.10 Reimbursement scenario

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2024**

- 4.1 Introduction
- 4.2 Competitive market share analysis
- 4.3 Company matrix analysis
- 4.4 Competitive analysis of major market players
- 4.5 Competitive positioning matrix
- 4.6 Strategic outlook matrix

## **CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY TYPE, 2021 – 2034 (\$ MN)**

- 5.1 Key trends
- 5.2 Bare platinum coils
- 5.3 Hydrogel-coated coils
- 5.4 Other types

## **CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY APPLICATION, 2021 – 2034 (\$ MN)**

- 6.1 Key trends
- 6.2 Intracranial aneurysms
- 6.3 Arteriovenous malformation
- 6.4 Other applications

## **CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 – 2034 (\$ MN)**

- 7.1 Key trends
- 7.2 Hospitals
- 7.3 Ambulatory surgical centers
- 7.4 Specialty clinics
- 7.5 Academic and research institutes

## **CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2034 (\$ MN)**

- 8.1 Key trends

## 8.2 North America

### 8.2.1 U.S.

### 8.2.2 Canada

## 8.3 Europe

### 8.3.1 Germany

### 8.3.2 UK

### 8.3.3 France

### 8.3.4 Italy

### 8.3.5 Spain

### 8.3.6 Netherlands

## 8.4 Asia Pacific

### 8.4.1 Japan

### 8.4.2 China

### 8.4.3 India

### 8.4.4 Australia

### 8.4.5 South Korea

## 8.5 Latin America

### 8.5.1 Mexico

### 8.5.2 Brazil

### 8.5.3 Argentina

## 8.6 Middle East and Africa

### 8.6.1 South Africa

### 8.6.2 Saudi Arabia

### 8.6.3 UAE

## **CHAPTER 9 COMPANY PROFILES**

### 9.1 Acandis

### 9.2 Allium Medical

### 9.3 Balt

### 9.4 Boston Scientific

### 9.5 Cardinal Health

### 9.6 Cook Medical

### 9.7 Kaneka

### 9.8 Medtronic

### 9.9 MicroPort

### 9.10 MicroVention

### 9.11 Penumbra

### 9.12 Rapid Medical

9.13 Shape Memory Medical

9.14 Stryker

9.15 Terumo

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