

# **Global Neurosurgical Instruments Market Size Study, by Product (Cutting and Dissecting Instruments, Tissue Handling and Manipulation Instruments, Access and Insertion Instruments, Others), by End Use (Hospitals, Outpatient Facilities, Others), and Regional Forecasts 2022-2032**

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## **Abstracts**

The global neurosurgical instruments market is valued at approximately USD 1.64 billion in 2023 and is poised to expand at a healthy compound annual growth rate (CAGR) of 7.00% over the forecast period from 2024 to 2032. Neurosurgical instruments, which encompass cutting-edge devices tailored for intricate brain and spinal surgeries, have revolutionized the field of neurosurgery. These instruments, ranging from cutting and dissecting tools to precision-driven access and insertion devices, enable surgeons to execute complex procedures with unparalleled accuracy and efficiency. The increasing prevalence of neurological disorders, coupled with advancements in minimally invasive surgical techniques, is a significant driver of the market's upward trajectory.

The adoption of neurosurgical instruments is further bolstered by a rising geriatric population susceptible to neurological conditions, driving demand across hospitals and outpatient facilities. Cutting-edge innovations, such as robotic-assisted neurosurgery and image-guided navigation systems, are reshaping the industry landscape by offering enhanced precision and improved patient outcomes. However, the high costs associated with neurosurgical procedures and limited access to advanced healthcare facilities in underdeveloped regions present challenges to market growth. Nevertheless, ongoing R&D investments and the emergence of innovative product designs are paving the way for future opportunities in the neurosurgical instruments market.

From a regional perspective, North America commands a dominant position in the neurosurgical instruments market, underpinned by robust healthcare infrastructure, extensive R&D initiatives, and a high prevalence of neurological disorders. Europe follows closely, benefitting from a supportive regulatory framework and significant healthcare spending. Meanwhile, the Asia-Pacific region is anticipated to register the fastest growth during the forecast period, driven by increasing healthcare investments, expanding access to medical devices, and a growing focus on improving surgical outcomes in countries such as India, China, and Japan. Latin America and the Middle East & Africa are also experiencing growing demand for neurosurgical instruments, fueled by rising awareness and healthcare advancements.

Major market players included in this report are:

Medtronic plc

Stryker Corporation

Johnson & Johnson

Integra LifeSciences

B. Braun Melsungen AG

Zimmer Biomet Holdings, Inc.

Boston Scientific Corporation

Karl Storz SE & Co. KG

Elekta AB

Smith & Nephew plc

Medacta International

Brainlab AG

MicroSurgical Technology

NICO Corporation

Adeor Medical AG

The detailed segments and sub-segment of the market are explained below:

By Product:

Cutting and Dissecting Instruments

Tissue Handling and Manipulation Instruments

Access and Insertion Instruments

Others

By End Use:

Hospitals

Outpatient Facilities

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

## Rest of Middle East & Africa

### Key Takeaways:

Extensive market forecasts and revenue estimates from 2022 to 2032.

Comprehensive regional and segment-specific analysis.

Insights into emerging trends and technological advancements in neurosurgical instruments.

Strategic recommendations for overcoming market challenges and leveraging growth opportunities.

## Contents

### **CHAPTER 1. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET EXECUTIVE SUMMARY**

- 1.1. Global Neurosurgical Instruments Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Product
  - 1.3.2. By End Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET DYNAMICS**

### 3.1. Market Drivers

- 3.1.1. Increasing Prevalence of Neurological Disorders
- 3.1.2. Advancements in Minimally Invasive Surgical Techniques
- 3.1.3. Rising Geriatric Population

### 3.2. Market Challenges

- 3.2.1. High Costs of Neurosurgical Procedures
- 3.2.2. Limited Access to Advanced Healthcare Facilities in Underdeveloped Regions

### 3.3. Market Opportunities

- 3.3.1. Innovations in Robotic-assisted Neurosurgery
- 3.3.2. Development of Image-guided Navigation Systems
- 3.3.3. Expansion into Emerging Markets

## **CHAPTER 4. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top Investment Opportunities

### 4.4. Top Winning Strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET SIZE & FORECASTS BY PRODUCT 2022-2032**

### 5.1. Segment Dashboard

### 5.2. Global Neurosurgical Instruments Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 5.2.1. Cutting and Dissecting Instruments

#### 5.2.2. Tissue Handling and Manipulation Instruments

#### 5.2.3. Access and Insertion Instruments

#### 5.2.4. Others

## **CHAPTER 6. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET SIZE & FORECASTS BY END USE 2022-2032**

### 6.1. Segment Dashboard

### 6.2. Global Neurosurgical Instruments Market: End Use Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

#### 6.2.1. Hospitals

#### 6.2.2. Outpatient Facilities

#### 6.2.3. Others

## **CHAPTER 7. GLOBAL NEUROSURGICAL INSTRUMENTS MARKET SIZE & FORECASTS BY REGION 2022-2032**

### 7.1. North America Neurosurgical Instruments Market

#### 7.1.1. U.S. Neurosurgical Instruments Market

##### 7.1.1.1. Product Breakdown Size & Forecasts, 2022-2032

##### 7.1.1.2. End Use Breakdown Size & Forecasts, 2022-2032

#### 7.1.2. Canada Neurosurgical Instruments Market

##### 7.1.2.1. Product Breakdown Size & Forecasts, 2022-2032

##### 7.1.2.2. End Use Breakdown Size & Forecasts, 2022-2032

### 7.2. Europe Neurosurgical Instruments Market

#### 7.2.1. UK Neurosurgical Instruments Market

#### 7.2.2. Germany Neurosurgical Instruments Market

#### 7.2.3. France Neurosurgical Instruments Market

#### 7.2.4. Spain Neurosurgical Instruments Market

#### 7.2.5. Italy Neurosurgical Instruments Market

#### 7.2.6. Rest of Europe Neurosurgical Instruments Market

### 7.3. Asia-Pacific Neurosurgical Instruments Market

#### 7.3.1. China Neurosurgical Instruments Market

#### 7.3.2. India Neurosurgical Instruments Market

#### 7.3.3. Japan Neurosurgical Instruments Market



- 7.3.4. Australia Neurosurgical Instruments Market
- 7.3.5. South Korea Neurosurgical Instruments Market
- 7.3.6. Rest of Asia Pacific Neurosurgical Instruments Market
- 7.4. Latin America Neurosurgical Instruments Market
  - 7.4.1. Brazil Neurosurgical Instruments Market
  - 7.4.2. Mexico Neurosurgical Instruments Market
  - 7.4.3. Rest of Latin America Neurosurgical Instruments Market
- 7.5. Middle East & Africa Neurosurgical Instruments Market
  - 7.5.1. Saudi Arabia Neurosurgical Instruments Market
  - 7.5.2. South Africa Neurosurgical Instruments Market
  - 7.5.3. Rest of Middle East & Africa Neurosurgical Instruments Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Medtronic plc
  - 8.1.2. Stryker Corporation
  - 8.1.3. Johnson & Johnson
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Medtronic plc
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. Stryker Corporation
  - 8.3.3. Johnson & Johnson
  - 8.3.4. Integra LifeSciences
  - 8.3.5. B. Braun Melsungen AG
  - 8.3.6. Zimmer Biomet Holdings, Inc.
  - 8.3.7. Boston Scientific Corporation
  - 8.3.8. Karl Storz SE & Co. KG
  - 8.3.9. Elekta AB
  - 8.3.10. Smith & Nephew plc
  - 8.3.11. Medacta International
  - 8.3.12. Brainlab AG
  - 8.3.13. MicroSurgical Technology
  - 8.3.14. NICO Corporation

8.3.15. Adeor Medical AG

## **CHAPTER 9. RESEARCH PROCESS**

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Neurosurgical Instruments Market, Report Scope

TABLE 2. Global Neurosurgical Instruments Market Estimates & Forecasts by Region  
2022-2032 (USD Million/Billion)

TABLE 3. Global Neurosurgical Instruments Market Estimates & Forecasts by Product  
2022-2032 (USD Million/Billion)

TABLE 4. Global Neurosurgical Instruments Market Estimates & Forecasts by End Use  
2022-2032 (USD Million/Billion)

TABLE 5. Global Neurosurgical Instruments Market Estimates & Forecasts by Product  
2022-2032 (USD Million/Billion)

TABLE 6. Global Neurosurgical Instruments Market Estimates & Forecasts by End Use  
2022-2032 (USD Million/Billion)

TABLE 7. Global Neurosurgical Instruments Market Estimates & Forecasts by Product  
2022-2032 (USD Million/Billion)

TABLE 8. Global Neurosurgical Instruments Market Estimates & Forecasts by End Use  
2022-2032 (USD Million/Billion)

TABLE 9. U.S. Neurosurgical Instruments Market Estimates & Forecasts, 2022-2032  
(USD Million/Billion)

TABLE 10. U.S. Neurosurgical Instruments Market Estimates & Forecasts by Product  
2022-2032 (USD Million/Billion)

TABLE 11. U.S. Neurosurgical Instruments Market Estimates & Forecasts by End Use  
2022-2032 (USD Million/Billion)

TABLE 12. Canada Neurosurgical Instruments Market Estimates & Forecasts by  
Product 2022-2032 (USD Million/Billion)

TABLE 13. Canada Neurosurgical Instruments Market Estimates & Forecasts by End  
Use 2022-2032 (USD Million/Billion)

TABLE 14. UK Neurosurgical Instruments Market Estimates & Forecasts, 2022-2032  
(USD Million/Billion)

TABLE 15. Germany Neurosurgical Instruments Market Estimates & Forecasts,  
2022-2032 (USD Million/Billion)

TABLE 16. France Neurosurgical Instruments Market Estimates & Forecasts,  
2022-2032 (USD Million/Billion)

TABLE 17. Spain Neurosurgical Instruments Market Estimates & Forecasts, 2022-2032  
(USD Million/Billion)

TABLE 18. Italy Neurosurgical Instruments Market Estimates & Forecasts, 2022-2032  
(USD Million/Billion)

TABLE 19. Rest of Europe Neurosurgical Instruments Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 20. China Neurosurgical Instruments Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

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(This list is not complete; the final report does contain more than 100 tables. The list may be updated in the final deliverable.)

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