

# **Surgical Drainage Devices Market – Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Active, Passive), By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others), By End-use (Hospitals, Ambulatory surgical centers, Clinics), By Region & Competition, 2020-2030F**

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## **Abstracts**

### **Market Overview**

The Global Surgical Drainage Devices Market was valued at USD 2.52 billion in 2024 and is projected to grow at a CAGR of 6.31% through 2030. Surgical drainage devices are essential medical tools used to evacuate fluid and gas from body cavities or surgical sites to prevent complications such as infection, delayed healing, or excessive pressure. These devices typically consist of flexible tubing placed within or near the surgical area to remove accumulated blood, pus, or other fluids post-operation. Their function extends beyond fluid removal—they assist in reducing tissue tension, lowering the risk of infection, improving wound healing, and providing clinicians with critical diagnostic information based on the characteristics of the drained fluid. Various drainage types, including open or closed, and passive or active systems, are selected based on the surgery type and clinical needs. Their role is especially critical in managing recovery following complex surgical procedures and in vulnerable patient populations. The increasing volume of surgeries globally, rising geriatric population, and growing emphasis on post-operative care are major factors driving demand for surgical drainage devices.

### **Key Market Drivers**

## Rising Surgical Procedures

The continuous increase in surgical interventions worldwide is a significant factor propelling the Surgical Drainage Devices Market. With an estimated 313 million surgical procedures performed globally each year—and over 51 million annually in the U.S. alone—demand for post-operative drainage solutions is consistently high. In India, nearly 30 million procedures are conducted annually, with 85% taking place in small to mid-sized hospitals, emphasizing the widespread need for effective drainage systems. These devices are essential in multiple specialties such as orthopedics, cardiovascular surgery, general surgery, and gynecology. The rise in minimally invasive surgeries (MIS) has also boosted demand for compact, specialized drainage devices suited for smaller incisions. Additionally, emergency and trauma surgeries, which are increasing due to accidents and acute medical conditions, further amplify the need for immediate and efficient drainage systems. Aging populations and patients with chronic diseases, such as diabetes and cardiovascular conditions, frequently undergo surgeries, driving sustained demand for surgical drainage devices to ensure optimal recovery and minimize complications.

## Key Market Challenges

### Regulatory Hurdles

Regulatory challenges present a significant obstacle to the growth of the surgical drainage devices market. The path to securing regulatory approval involves detailed documentation, rigorous testing, and compliance with stringent safety standards, which can delay product launches and increase operational costs. These processes are especially burdensome for small and mid-sized companies, restricting market entry and limiting competition. Moreover, global variation in regulatory frameworks complicates product standardization and requires additional resources to navigate country-specific requirements. Ongoing obligations such as post-market surveillance and adverse event reporting add to the cost and complexity. This heightened scrutiny can also deter innovation, as manufacturers may avoid introducing novel features to avoid regulatory delays. Collectively, these factors slow the pace of new product adoption and pose barriers to expansion in international markets.

## Key Market Trends

### Minimally Invasive Approaches

The increasing prevalence of minimally invasive surgical techniques has significantly influenced the development and adoption of specialized surgical drainage devices. Procedures such as laparoscopy and endoscopy require compact, precise drainage systems compatible with smaller incisions. These devices contribute to quicker patient recovery and reduced hospital stays by managing fluid accumulation effectively without adding to surgical trauma. As MIS techniques prioritize lower invasiveness, patient comfort, and reduced complication risks, there is a growing demand for drainage solutions that align with these goals. Innovations in minimally invasive drainage systems also reflect the broader healthcare trend toward enhanced patient outcomes, shorter recovery periods, and cost efficiency. The shift toward patient-centric care and the expansion of day-care and ambulatory surgeries further reinforce the demand for advanced, easy-to-use drainage devices tailored for minimally invasive procedures.

### **Key Market Players**

Acelity L.P Inc.

Teleflex Incorporated

Cardinal Health

Medtronic PLC

Cook Medical

Stryker Corporation

C.R. Bard

Ethicon, Inc.

B. Braun Melsungen

Medela AG

### **Report Scope:**

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

**Surgical Drainage Devices Market, By Product:**

Active

Passive

**Surgical Drainage Devices Market, By Application:**

Thoracic & Cardiovascular Surgeries

Neurosurgical Procedures

Abdominal Surgery

Orthopedics

Others

**Surgical Drainage Devices Market, By End Use:**

Hospitals

Ambulatory surgical centers

Clinics

**Surgical Drainage Devices Market, By Region:**

North America

United States

Canada

Mexico

## Europe

France

United Kingdom

Italy

Germany

Spain

## Asia-Pacific

China

India

Japan

Australia

South Korea

## South America

Brazil

Argentina

Colombia

## Middle East & Africa

South Africa

Saudi Arabia

UAE

### **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Surgical Drainage Devices Market.

### **Available Customizations:**

Global Surgical Drainage 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).

## 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. GLOBAL SURGICAL DRAINAGE DEVICES MARKET OUTLOOK

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Product (Active, Passive)
    - 5.2.1.1 By Active Product (Jackson Pratt Drain, Hemovac Drain, Blake Drain, Negative Pressure Wound Therapy, Redivac Drain, EVD & Lumbar Drain, Chest Tube, Others)

5.2.1.2 By Passive (Penrose Drain, Others)

5.2.2. By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others)

5.2.3. By End-use (Hospitals, Ambulatory surgical centers, Clinics)

5.2.4. By Region (North America, Europe, Asia Pacific, South America, Middle East & Africa)

5.2.5. By Company (2024)

5.3. Market Map

## **6. NORTH AMERICA SURGICAL DRAINAGE DEVICES MARKET OUTLOOK**

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Product (Active, Passive)

6.2.1.1 By Active Product (Jackson Pratt Drain, Hemovac Drain, Blake Drain, Negative Pressure Wound Therapy, Redivac Drain, EVD & Lumbar Drain, Chest Tube, Others)

6.2.1.2 By Passive (Penrose Drain, Others)

6.2.2. By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others)

6.2.3. By End-use (Hospitals, Ambulatory surgical centers, Clinics)

6.2.4. By Country

6.3. North America: Country Analysis

6.3.1. United States Surgical Drainage Devices Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Product

6.3.1.2.2. By Application

6.3.1.2.3. By End-Use

6.3.2. Canada Surgical Drainage Devices Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Product

6.3.2.2.2. By Application

6.3.2.2.3. By End-Use

6.3.3. Mexico Surgical Drainage Devices Market Outlook



#### 6.3.3.1. Market Size & Forecast

##### 6.3.3.1.1. By Value

#### 6.3.3.2. Market Share & Forecast

##### 6.3.3.2.1. By Product

##### 6.3.3.2.2. By Application

##### 6.3.3.2.3. By End-Use

## 7. EUROPE SURGICAL DRAINAGE DEVICES MARKET OUTLOOK

### 7.1. Market Size & Forecast

#### 7.1.1. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Product (Active, Passive)

7.2.1.1 By Active Product (Jackson Pratt Drain, Hemovac Drain, Blake Drain, Negative Pressure Wound Therapy, Redivac Drain, EVD & Lumbar Drain, Chest Tube, Others)

#### 7.2.1.2 By Passive (Penrose Drain, Others)

7.2.2. By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others)

#### 7.2.3. By End-use (Hospitals, Ambulatory surgical centers, Clinics)

#### 7.2.4. By Country

### 7.3. Europe: Country Analysis

#### 7.3.1. France Surgical Drainage Devices Market Outlook

##### 7.3.1.1. Market Size & Forecast

##### 7.3.1.1.1. By Value

##### 7.3.1.2. Market Share & Forecast

##### 7.3.1.2.1. By Product

##### 7.3.1.2.2. By Application

##### 7.3.1.2.3. By End-Use

#### 7.3.2. Germany Surgical Drainage Devices Market Outlook

##### 7.3.2.1. Market Size & Forecast

##### 7.3.2.1.1. By Value

##### 7.3.2.2. Market Share & Forecast

##### 7.3.2.2.1. By Product

##### 7.3.2.2.2. By Application

##### 7.3.2.2.3. By End-Use

#### 7.3.3. United Kingdom Surgical Drainage Devices Market Outlook

##### 7.3.3.1. Market Size & Forecast

##### 7.3.3.1.1. By Value

- 7.3.3.2. Market Share & Forecast
  - 7.3.3.2.1. By Product
  - 7.3.3.2.2. By Application
  - 7.3.3.2.3. By End-Use
- 7.3.4. Italy Surgical Drainage Devices Market Outlook
  - 7.3.4.1. Market Size & Forecast
    - 7.3.4.1.1. By Value
  - 7.3.4.2. Market Share & Forecast
    - 7.3.4.2.1. By Product
    - 7.3.4.2.2. By Application
    - 7.3.4.2.3. By End-Use
- 7.3.5. Spain Surgical Drainage Devices Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Product
    - 7.3.5.2.2. By Application
    - 7.3.5.2.3. By End-Use

## **8. ASIA-PACIFIC SURGICAL DRAINAGE DEVICES MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Product (Active, Passive)
    - 8.2.1.1 By Active Product (Jackson Pratt Drain, Hemovac Drain, Blake Drain, Negative Pressure Wound Therapy, Redivac Drain, EVD & Lumbar Drain, Chest Tube, Others)
    - 8.2.1.2 By Passive (Penrose Drain, Others)
  - 8.2.2. By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others)
  - 8.2.3. By End-use (Hospitals, Ambulatory surgical centers, Clinics)
  - 8.2.4. By Country
- 8.3. Asia-Pacific: Country Analysis
  - 8.3.1. China Surgical Drainage Devices Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Product

- 8.3.1.2.2. By Application
- 8.3.1.2.3. By End-Use
- 8.3.2. India Surgical Drainage Devices Market Outlook
  - 8.3.2.1. Market Size & Forecast
    - 8.3.2.1.1. By Value
  - 8.3.2.2. Market Share & Forecast
    - 8.3.2.2.1. By Product
    - 8.3.2.2.2. By Application
    - 8.3.2.2.3. By End-Use
- 8.3.3. Japan Surgical Drainage Devices Market Outlook
  - 8.3.3.1. Market Size & Forecast
    - 8.3.3.1.1. By Value
  - 8.3.3.2. Market Share & Forecast
    - 8.3.3.2.1. By Product
    - 8.3.3.2.2. By Application
    - 8.3.3.2.3. By End-Use
- 8.3.4. South Korea Surgical Drainage Devices Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Product
    - 8.3.4.2.2. By Application
    - 8.3.4.2.3. By End-Use
- 8.3.5. Australia Surgical Drainage Devices Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Product
    - 8.3.5.2.2. By Application
    - 8.3.5.2.3. By End-Use

## **9. SOUTH AMERICA SURGICAL DRAINAGE DEVICES MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Product (Active, Passive)
    - 9.2.1.1 By Active Product (Jackson Pratt Drain, Hemovac Drain, Blake Drain, Negative Pressure Wound Therapy, Redivac Drain, EVD & Lumbar Drain, Chest Tube,

Others)

9.2.1.2 By Passive (Penrose Drain, Others)

9.2.2. By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others)

9.2.3. By End-use (Hospitals, Ambulatory surgical centers, Clinics)

9.2.4. By Country

9.3. South America: Country Analysis

9.3.1. Brazil Surgical Drainage Devices Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Product

9.3.1.2.2. By Application

9.3.1.2.3. By End-Use

9.3.2. Argentina Surgical Drainage Devices Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Product

9.3.2.2.2. By Application

9.3.2.2.3. By End-Use

9.3.3. Colombia Surgical Drainage Devices Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Product

9.3.3.2.2. By Application

9.3.3.2.3. By End-Use

## **10. MIDDLE EAST AND AFRICA SURGICAL DRAINAGE DEVICES MARKET OUTLOOK**

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Product (Active, Passive)

10.2.1.1 By Active Product (Jackson Pratt Drain, Hemovac Drain, Blake Drain, Negative Pressure Wound Therapy, Redivac Drain, EVD & Lumbar Drain, Chest Tube, Others)

- 10.2.1.2 By Passive (Penrose Drain, Others)
- 10.2.2. By Application (Thoracic & Cardiovascular Surgeries, Neurosurgical Procedures, Abdominal Surgery, Orthopedics, Others)
- 10.2.3. By End-use (Hospitals, Ambulatory surgical centers, Clinics)
- 10.2.4. By Country
- 10.3. MEA: Country Analysis
  - 10.3.1. South Africa Surgical Drainage Devices Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Product
      - 10.3.1.2.2. By Application
      - 10.3.1.2.3. By End-Use
  - 10.3.2. Saudi Arabia Surgical Drainage Devices Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Product
      - 10.3.2.2.2. By Application
      - 10.3.2.2.3. By End-Use
  - 10.3.3. UAE Surgical Drainage Devices Market Outlook
    - 10.3.3.1. Market Size & Forecast
      - 10.3.3.1.1. By Value
    - 10.3.3.2. Market Share & Forecast
      - 10.3.3.2.1. By Product
      - 10.3.3.2.2. By Application
      - 10.3.3.2.3. By End-Use

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Recent Development
- 12.2. Mergers & Acquisitions
- 12.3. Product Launches

## **13. GLOBAL SURGICAL DRAINAGE DEVICES MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

## **15. COMPETITIVE LANDSCAPE**

- 15.1. Acelity L.P Inc.
- 15.1. Business Overview
- 15.2. Product Offerings
- 15.3. Recent Developments
- 15.4. Financials (As Reported)
- 15.5. Key Personnel
- 15.6. SWOT Analysis
- 15.2. Teleflex Incorporated.
- 15.3. Cardinal Health.
- 15.4. Medtronic PLC.
- 15.5. Cook Medical.
- 15.6. Stryker Corporation.
- 15.7. C.R. Bard.
- 15.8. Ethicon, Inc.
- 15.9. B. Braun Melsungen.
- 15.10. Medela A G.

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

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