

# **Absorbable Sutures Market Size, Share & Trends Analysis Report By Product, By Filament (Monofilament, Multifilament), By Application (Orthopedic Surgery, Neurological Surgery), By End Use, By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **Absorbable Sutures Market Size & Trends**

The global absorbable sutures market size was estimated at USD 2.9 billion in 2024 and is projected to grow at a CAGR of 5.3% from 2025 to 2030. The absorbable sutures industry is expanding due to several key drivers, including increasing demand for minimally invasive surgeries and advancements in suture materials. The shift towards less invasive procedures promotes faster recovery and reduced complications, boosting the use of absorbable sutures in various specialties such as general surgery, orthopedics, and ophthalmology. Technological innovations in suture materials, such as enhanced tensile strength and biocompatibility, are also contributing to market growth.

Absorbable sutures are a type of sutures that gradually dissolve in the body over time, eliminating the need for removal. These sutures are made from materials like polyglycolic acid (PGA), polylactic acid (PLA), polyglactin, and polydioxanone (PDO), which are bioabsorbable and provide a range of benefits, including reduced patient discomfort, lower risk of infection, and quicker recovery times.

One of the key drivers of market growth is the increasing number of surgical procedures worldwide. According to the World Federation of Neurology, 12.0% of the total

neurology patients succumb to these conditions each year, and according to Medscape Experts, 22.6 million people suffer from neurological injuries, of which 13.8 million require surgery. In addition, according to the WHO, the number of Disability-Adjusted Life Years (DALYs) lost due to neurological diseases is anticipated to increase from 95 million in 2015 to 103 million in 2030 across the globe. An increasing number of neurological surgeries and the high demand for absorbable sutures specially designed for these procedures are expected to drive market growth.

The rising geriatric population is another significant driver of the absorbable sutures industry. As the global population ages, the demand for surgical procedures is expected to rise due to the higher incidence of age-related conditions such as heart disease, diabetes, and osteoporosis, which require surgical intervention. According to the United Nations, the global population aged 60 years or older is expected to increase from 1 billion in 2020 to 1.4 billion by 2030. This demographic shift has led to a corresponding rise in the number of elderly individuals requiring surgeries, driving the demand for absorbable sutures in various procedures.

## Global Absorbable Sutures Market Report Segmentation

This report forecasts revenue growth at country levels and provides an analysis of the latest industry trends and opportunities in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global absorbable sutures market report based on product, filament, application, end use, and region:

Product Outlook (Revenue, USD Million, 2018 - 2030)

Needled Absorbable Sterilized Sutures

Non-Needled Absorbable Sutures

Filament Outlook (Revenue, USD Million, 2018 - 2030)

Monofilament

Multifilament

Application Outlook (Revenue, USD Million, 2018 - 2030)

Ophthalmic Surgery

Cardiac Surgery

Orthopedic Surgery

Neurological Surgery

Others

End Use Outlook (Revenue, USD Million, 2018 - 2030)

Hospitals & Clinics

Ambulatory Surgical Centers

Specialty Centers

Others

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Denmark

Sweden

Norway

Asia Pacific

Japan

China

India

Australia

South Korea

Thailand

Latin America

Brazil

Argentina

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

## Contents

### CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Segment Definitions
  - 1.2.1. Product
  - 1.2.2. Filament
  - 1.2.3. Application
  - 1.2.4. End Use
  - 1.2.5. Regional scope
  - 1.2.6. Estimates and forecasts timeline
- 1.3. Research Methodology
- 1.4. Information Procurement
  - 1.4.1. Purchased database
  - 1.4.2. GVR's internal database
  - 1.4.3. Secondary sources
  - 1.4.4. Primary research
  - 1.4.5. Details of primary research
    - 1.4.5.1. Data for primary interviews in North America
    - 1.4.5.2. Data for primary interviews in Europe
    - 1.4.5.3. Data for primary interviews in Asia Pacific
    - 1.4.5.4. Data for primary interviews in Latin America
    - 1.4.5.5. Data for Primary interviews in MEA
- 1.5. Information or Data Analysis
  - 1.5.1. Data analysis models
- 1.6. Market Formulation & Validation
- 1.7. Model Details
  - 1.7.1. Commodity flow analysis (Model 1)
  - 1.7.2. Approach 1: Commodity flow approach
  - 1.7.3. Volume price analysis (Model 2)
  - 1.7.4. Approach 2: Volume price analysis
- 1.8. List of Secondary Sources
- 1.9. List of Primary Sources
- 1.10. Objectives

### CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook

- 2.2. Segment Outlook
  - 2.2.1. Product outlook
  - 2.2.2. Filament outlook
  - 2.2.3. Application outlook
  - 2.2.4. End Use outlook
- 2.3. Regional outlook
- 2.4. Competitive Insights

## **CHAPTER 3. ABSORBABLE SUTURES MARKET VARIABLES, TRENDS & SCOPE**

- 3.1. Market Lineage Outlook
  - 3.1.1. Parent Market Outlook
  - 3.1.2. Related/ancillary market outlook
- 3.2. Market Dynamics
  - 3.2.1. Market Driver Analysis
  - 3.2.2. Market Restraint Analysis
- 3.3. Absorbable Sutures Market Analysis Tools
  - 3.3.1. Industry Analysis - Porter's
    - 3.3.1.1. Bargaining power of suppliers
    - 3.3.1.2. Bargaining power of buyers
    - 3.3.1.3. Threat of substitutes
    - 3.3.1.4. Threat of new entrants
    - 3.3.1.5. Competitive rivalry
  - 3.3.2. PESTEL Analysis
    - 3.3.2.1. Political landscape
    - 3.3.2.2. Economic landscape
    - 3.3.2.3. Social landscape
    - 3.3.2.4. Technological landscape
    - 3.3.2.5. Environmental landscape
    - 3.3.2.6. Legal landscape

## **CHAPTER 4. ABSORBABLE SUTURES MARKET: PRODUCT ESTIMATES & TREND ANALYSIS**

- 4.1. Segment Dashboard
- 4.2. Absorbable Sutures Market: Product Movement Analysis
- 4.3. Absorbable Sutures Market by Product Outlook (USD Million)
- 4.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following
- 4.5. Needled Absorbable Sterilized Sutures

4.5.1. Needled Absorbable Sterilized Sutures Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

4.6. Non-Needled Absorbable Sutures

4.6.1. Non-Needled Absorbable Sutures Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## **CHAPTER 5. ABSORBABLE SUTURES MARKET: FILAMENT ESTIMATES & TREND ANALYSIS**

5.1. Segment Dashboard

5.2. Absorbable Sutures Market: Filament Movement Analysis

5.3. Absorbable Sutures Market by Filament Outlook (USD Million)

5.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

5.5. Monofilament

5.5.1. Monofilament Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

5.6. Multifilament

5.6.1. Multifilament Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## **CHAPTER 6. ABSORBABLE SUTURES MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

6.1. Segment Dashboard

6.2. Absorbable Sutures Market: Application Movement Analysis

6.3. Absorbable Sutures Market by Application Outlook (USD Million)

6.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

6.5. Ophthalmic Surgery

6.5.1. Ophthalmic Surgery Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.6. Cardiac Surgery

6.6.1. Cardiac Surgery Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.7. Orthopedic Surgery

6.7.1. Orthopedic Surgery Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

6.8. Neurological Surgery

6.8.1. Neurological Surgery Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## 6.9. Others

### 6.9.1. Others Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## **CHAPTER 7. ABSORBABLE SUTURES MARKET: END USE ESTIMATES & TREND ANALYSIS**

### 7.1. Segment Dashboard

### 7.2. Absorbable Sutures Market: End Use Movement Analysis

### 7.3. Absorbable Sutures Market by End-use Outlook (USD Million)

### 7.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

#### 7.5. Hospitals & Clinics

##### 7.5.1. Hospitals & Clinics Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 7.6. Ambulatory Surgical Centers

##### 7.6.1. Ambulatory Surgical Centers Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 7.7. Specialty Centers

##### 7.7.1. Specialty Centers Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 7.8. Others

##### 7.8.1. Others Market Revenue Estimates and Forecasts, 2018 - 2030 (USD Million)

## **CHAPTER 8. ABSORBABLE SUTURES MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

### 8.1. Regional Dashboard

### 8.2. Regional Absorbable Sutures Market movement analysis

### 8.3. Absorbable Sutures Market: Regional Estimates & Trend Analysis by Technology & Application

### 8.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following

#### 8.5. North America

##### 8.5.1. North America Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 8.5.2. U.S.

###### 8.5.2.1. Key Country Dynamics

###### 8.5.2.2. Competitive Scenario

###### 8.5.2.3. Regulatory Framework

###### 8.5.2.4. Reimbursement scenario

###### 8.5.2.5. U.S. Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD

Million)

8.5.3. Canada

8.5.3.1. Key Country Dynamics

8.5.3.2. Competitive Scenario

8.5.3.3. Regulatory Framework

8.5.3.4. Reimbursement scenario

8.5.3.5. Canada Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.5.4. Mexico

8.5.4.1. Key Country Dynamics

8.5.4.2. Competitive Scenario

8.5.4.3. Regulatory Framework

8.5.4.4. Reimbursement scenario

8.5.4.5. Mexico Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.6. Europe

8.6.1. Europe Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD

Million)

8.6.2. UK

8.6.2.1. Key Country Dynamics

8.6.2.2. Competitive Scenario

8.6.2.3. Regulatory Framework

8.6.2.4. Reimbursement scenario

8.6.2.5. UK Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD

Million)

8.6.3. Germany

8.6.3.1. Key Country Dynamics

8.6.3.2. Competitive Scenario

8.6.3.3. Regulatory Framework

8.6.3.4. Reimbursement scenario

8.6.3.5. Germany Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.6.4. France

8.6.4.1. Key Country Dynamics

8.6.4.2. Competitive Scenario

8.6.4.3. Regulatory Framework

8.6.4.4. Reimbursement scenario

8.6.4.5. France Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

#### 8.6.5. Italy

8.6.5.1. Key Country Dynamics

8.6.5.2. Competitive Scenario

8.6.5.3. Regulatory Framework

8.6.5.4. Reimbursement scenario

8.6.5.5. Italy Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 8.6.6. Spain

8.6.6.1. Key Country Dynamics

8.6.6.2. Competitive Scenario

8.6.6.3. Regulatory Framework

8.6.6.4. Reimbursement scenario

8.6.6.5. Spain Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 8.6.7. Denmark

8.6.7.1. Key Country Dynamics

8.6.7.2. Competitive Scenario

8.6.7.3. Regulatory Framework

8.6.7.4. Reimbursement scenario

8.6.7.5. Denmark Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 8.6.8. Sweden

8.6.8.1. Key Country Dynamics

8.6.8.2. Competitive Scenario

8.6.8.3. Regulatory Framework

8.6.8.4. Reimbursement scenario

8.6.8.5. Sweden Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 8.6.9. Norway

8.6.9.1. Key Country Dynamics

8.6.9.2. Competitive Scenario

8.6.9.3. Regulatory Framework

8.6.9.4. Reimbursement scenario

8.6.9.5. Norway Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 8.7. Asia Pacific

8.7.1. Asia Pacific Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

#### 8.7.2. Japan

8.7.2.1. Key Country Dynamics

8.7.2.2. Competitive Scenario

8.7.2.3. Regulatory Framework

8.7.2.4. Reimbursement scenario

8.7.2.5. Japan Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.7.3. China

8.7.3.1. Key Country Dynamics

8.7.3.2. Competitive Scenario

8.7.3.3. Regulatory Framework

8.7.3.4. Reimbursement scenario

8.7.3.5. China Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.7.4. India

8.7.4.1. Key Country Dynamics

8.7.4.2. Competitive Scenario

8.7.4.3. Regulatory Framework

8.7.4.4. Reimbursement scenario

8.7.4.5. India Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.7.5. South Korea

8.7.5.1. Key Country Dynamics

8.7.5.2. Competitive Scenario

8.7.5.3. Regulatory Framework

8.7.5.4. Reimbursement scenario

8.7.5.5. South Korea Absorbable Sutures Market Estimates and Forecasts, 2018 -

2030 (USD Million)

8.7.6. Australia

8.7.6.1. Key Country Dynamics

8.7.6.2. Competitive Scenario

8.7.6.3. Regulatory Framework

8.7.6.4. Reimbursement scenario

8.7.6.5. Australia Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.7.7. Thailand

8.7.7.1. Key Country Dynamics

8.7.7.2. Competitive Scenario

8.7.7.3. Regulatory Framework

8.7.7.4. Reimbursement scenario

#### 8.7.7.5. Thailand Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

### 8.8. Latin America

#### 8.8.1. Latin America Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 8.8.2. Brazil

###### 8.8.2.1. Key Country Dynamics

###### 8.8.2.2. Competitive Scenario

###### 8.8.2.3. Regulatory Framework

###### 8.8.2.4. Reimbursement scenario

#### 8.8.2.5. Brazil Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 8.8.3. Argentina

###### 8.8.3.1. Key Country Dynamics

###### 8.8.3.2. Competitive Scenario

###### 8.8.3.3. Regulatory Framework

###### 8.8.3.4. Reimbursement scenario

#### 8.8.3.5. Argentina Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

### 8.9. Middle East & Africa

#### 8.9.1. Middle East & Africa Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 8.9.2. South Africa

###### 8.9.2.1. Key Country Dynamics

###### 8.9.2.2. Competitive Scenario

###### 8.9.2.3. Regulatory Framework

###### 8.9.2.4. Reimbursement scenario

#### 8.9.2.5. South Africa Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 8.9.3. Saudi Arabia

###### 8.9.3.1. Key Country Dynamics

###### 8.9.3.2. Competitive Scenario

###### 8.9.3.3. Regulatory Framework

###### 8.9.3.4. Reimbursement scenario

#### 8.9.3.5. Saudi Arabia Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030 (USD Million)

##### 8.9.4. UAE

###### 8.9.4.1. Key Country Dynamics

###### 8.9.4.2. Competitive Scenario

8.9.4.3. Regulatory Framework

8.9.4.4. Reimbursement scenario

8.9.4.5. UAE Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

8.9.5. Kuwait

8.9.5.1. Key Country Dynamics

8.9.5.2. Competitive Scenario

8.9.5.3. Regulatory Framework

8.9.5.4. Reimbursement scenario

8.9.5.5. Kuwait Absorbable Sutures Market Estimates and Forecasts, 2018 - 2030

(USD Million)

## **CHAPTER 9. COMPETITIVE LANDSCAPE**

9.1. Market Participant Categorization

9.2. Key Company Profiles

9.2.1. Johnson & Johnson

9.2.1.1. Company overview

9.2.1.2. Financial performance

9.2.1.3. Product benchmarking

9.2.1.4. Strategic initiatives

9.2.2. Teleflex Incorporated

9.2.2.1. Company overview

9.2.2.2. Financial performance

9.2.2.3. Product benchmarking

9.2.2.4. Strategic initiatives

9.2.3. B Braun Melsungen AG

9.2.3.1. Company overview

9.2.3.2. Financial performance

9.2.3.3. Product benchmarking

9.2.3.4. Strategic initiatives

9.2.4. DemeTECH Corporation

9.2.4.1. Company overview

9.2.4.2. Financial performance

9.2.4.3. Product benchmarking

9.2.4.4. Strategic initiatives

9.2.5. Lotus Surgicals Pvt Ltd

9.2.5.1. Company overview

9.2.5.2. Financial performance

- 9.2.5.3. Product benchmarking
- 9.2.5.4. Strategic initiatives
- 9.2.6. Teleflex Incorporated
  - 9.2.6.1. Company overview
  - 9.2.6.2. Financial performance
  - 9.2.6.3. Product benchmarking
  - 9.2.6.4. Strategic initiatives
- 9.2.7. Integra Lifesciences Corporation
  - 9.2.7.1. Company overview
  - 9.2.7.2. Financial performance
  - 9.2.7.3. Product benchmarking
  - 9.2.7.4. Strategic initiatives
- 9.2.8. Healthium Medtech (formerly Suture India)
  - 9.2.8.1. Company overview
  - 9.2.8.2. Financial performance
  - 9.2.8.3. Product benchmarking
  - 9.2.8.4. Strategic initiatives
- 9.2.9. Samyang Holdings Corporation
  - 9.2.9.1. Company overview
  - 9.2.9.2. Financial performance
  - 9.2.9.3. Product benchmarking
  - 9.2.9.4. Strategic initiatives
- 9.2.10. Internacional Farmac?utica S.A. de C.V. (Atramat)
  - 9.2.10.1. Company overview
  - 9.2.10.2. Financial performance
  - 9.2.10.3. Product benchmarking
  - 9.2.10.4. Strategic initiatives

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