

# US Biomedical Textiles Market Size study, by Application (Implantable, Non-implantable, Others Applications,) by Fiber Type (Non-biodegradable Fiber, Biodegradable Fiber, Others), By Fabric Type (Woven, Non-Woven, Others) Forecasts 2022-2032

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## Abstracts

US Biomedical Textiles Market is valued approximately USD 4.54 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.17% over the forecast period 2024-2032. Biomedical textiles, also known as medical or healthcare textiles, refer to specialized textile materials and products specifically designed and utilized for medical and healthcare applications. These textiles are engineered to meet the rigorous demands of the healthcare industry, offering a diverse range of functionalities to support various medical procedures, treatments, and patient care needs. Biomedical textiles find extensive use across a wide spectrum of healthcare domains, including wound care, implantable devices, surgical procedures, rehabilitation, and protective clothing for healthcare workers. There is a trend towards personalized medicine and customization in the US healthcare industry, leading to an increased demand for bespoke biomedical textiles tailored to individual patient needs. Custom-designed implants, prosthetics, and orthopedic devices made from biomedical textiles are gaining popularity among healthcare providers and patients.

Ongoing advancements in textile engineering, material science, and medical technology are driving the development of innovative biomedical textiles with enhanced functionalities and performance characteristics. Technologies such as nanotechnology, smart textiles, and 3D printing are being increasingly incorporated into biomedical textiles, expanding their applications and driving regional market growth. Moreover, the US has one of the largest healthcare sectors with significant investments in healthcare infrastructure, research, and development. The increasing prevalence of chronic

diseases, aging population, and healthcare reforms are driving demand for advanced medical textiles used in wound care, surgical procedures, and patient monitoring, contributing to market growth. Furthermore, US Biomedical Textiles Market is driven by increased adoption due to favorable policies and regulations. However, growing demand for minimally invasive procedures and expanding applications in regenerative medicine, would stifle market growth between 2022 and 2032.

Major market player included in this report are:

3M Company

Becton, Dickinson and Company (BD)

Ethicon, Inc.

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

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

By Application

Implantable

Non-implantable

Others Applications

By Fiber Type

Non-biodegradable Fiber

Biodegradable Fiber

Others

By Fabric Type:

Woven

Non-Woven

Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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