

U.S. Ventral Hernia Mesh Devices Market Size, Share & Trends Analysis Report By Mesh Type (Resorbable, Partially Absorbable), By Indication (Umbilical Hernia, Epigastric Hernia), By Procedure, By End Use, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/UEA6DD4191BFEN.html>

Date: May 2025

Pages: 140

Price: US\$ 4,250.00 (Single User License)

ID: UEA6DD4191BFEN

Abstracts

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Market Size & Trends

The U.S. ventral hernia mesh devices market size was estimated at USD 356.7 million in 2024 and is projected to grow at a CAGR of 8.27% from 2025 to 2030. The increasing cases of hernias, technological advancements in mesh repair, a shift towards preventive healthcare, growing preference for minimally invasive procedures, and a growing healthcare infrastructure are the factors affecting market growth. According to the U.S. FDA, over a million hernia repair procedures are performed annually in the U.S.

Hernia repair is one of the most common surgical procedures worldwide. The incidence of hernia is higher in men than in women. According to the International Journal of Surgery, approximately 300,000 ventral hernia repairs are performed annually. Among these, 75% are primary ventral hernia repairs (mainly epigastric and umbilical) and 25% are incisional hernia repairs. Furthermore, incisional hernias are common in nearly 10-30% of patients in the U.S. who undergo midline laparotomies. The annual costs for hernia repairs are estimated at approximately USD 3.2 billion. This is viewed as a major healthcare challenge for patients and a significant financial hurdle for the U.S. healthcare system.

The presence of favorable reimbursement scenarios for hernia mesh devices is encouraging patients to opt for surgery. The government and industry players provide patients with easy access to detailed reimbursement codes and ratios. The codes are granulated into types of hernias (primary or recurrent) and surgery methods (open or laparoscopic).

Technological advancements in hernia mesh devices have significantly improved patient outcomes and reduced complications. One notable innovation is the development of lightweight and composite meshes. These meshes, such as Parietex Composite Mesh, combine absorbable and nonabsorbable materials, providing strength while reducing postoperative discomfort and the risk of chronic pain. These advancements include innovations like Deep Blue Medical Advances, Inc.'s advanced mesh technology. In 2024, the company launched a smaller version of the T-Line Mesh, known as the T-Line Mini, tailored for umbilical hernias and small defects. Moreover, the T-Line Hernia Mesh's coated and biosynthetic composite versions are developing.

U.S. Ventral Hernia Mesh Devices Market Report Segmentation

This report forecasts country-level revenue growth and analyzes the latest industry trends and opportunities in each sub-segment from 2018 to 2030. For this study, Grand View Research has segmented the U.S. ventral hernia mesh devices market report based on mesh type, indication, procedure, and end use:

Mesh Type Outlook (Revenue, USD Million, 2018 - 2030)

Resorbable Mesh

Partially Absorbable Mesh

Non-resorbable Mesh

Indication Outlook (Revenue, USD Million 2018 - 2030)

Umbilical Hernia

Epigastric Hernia

Incisional Hernia

Others

Procedure Outlook (Revenue, USD Million 2018 - 2030)

Open Surgery

Laparoscopic Surgery

Robotic Surgery

Others

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

Inpatient Facilities

Outpatient Facilities

Companies Mentioned

Medtronic plc

Becton, Dickinson and Company

Ethicon Inc. (Johnson & Johnson MedTech)

Meril Life Sciences Pvt. Ltd.

Novus Scientific AB

B. Braun SE

TELA Bio, Inc.

BG Medical LLC

Integra LifeSciences Corporation

W. L. Gore & Associates, Inc.

Atrium Medical

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