

Sternal Closure Systems Market Analysis Highlights Growth To \$3.27 Billion By 2030 At 6.2% CAGR

The Business Research Company's Sternal Closure Systems Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035

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/EINPresswire.com/ -- The [sternal closure systems market](#) has seen

significant advancements recently, driven by the increasing need for reliable surgical solutions following open-chest procedures. As heart-related surgeries become more common and surgical techniques continue to improve, this market is on a promising growth trajectory. Let's explore the current market size, key growth factors, regional outlook, and emerging trends shaping this vital healthcare segment.

Current Market Size and Growth Expectations for Sternal Closure Systems

The sternal closure systems market has experienced robust growth in recent years, expanding from a valuation of \$2.43 billion in 2025 to an anticipated \$2.58 billion in 2026. This reflects a compound annual growth rate (CAGR) of 5.8%. The expansion during this period can be attributed to the rising number of open-heart surgeries, a higher prevalence of cardiovascular diseases, increased use of median sternotomy procedures, enhancements in cardiothoracic surgical methods, and the availability of cutting-edge biocompatible materials.

Download a free sample of the [sternal closure systems market report](#):

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Looking ahead, the market is expected to continue growing, reaching \$3.27 billion by 2030 with an accelerated CAGR of 6.2%. This forecasted growth is driven by rising demand for effective sternal stability solutions, growing adoption of minimally invasive cardiac surgeries, a stronger focus on minimizing post-operative complications, expansion of cardiac care facilities, and ongoing innovations in the design of closure devices. Key trends during this period include increased use of rigid plate-based closure systems, preference for materials like titanium and



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PEEK, wider application of reinforced sternal fixation techniques, development of infection-resistant closure solutions, and an emphasis on improving post-surgical stability and recovery.

Understanding Sternal Closure Systems and Their Role

A sternal closure system is a medical device or technique employed to securely close the sternum, the central chest bone protecting vital organs such as the heart and lungs. These systems are essential after surgeries that involve opening the chest, including heart surgeries or other open-chest operations, ensuring proper healing and stability post-procedure.

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Rising Prevalence of Chronic Diseases Boosting Market Demand

One of the primary factors driving growth in the sternal closure systems market is the increasing occurrence of chronic illnesses. Chronic diseases generally last a year or more and often require ongoing medical care, impacting daily activities. Conditions such as coronary artery disease, hypertension, and heart failure frequently necessitate surgical interventions like coronary artery bypass grafting (CABG) or valve replacement. These surgeries involve sternal incisions, creating a vital requirement for reliable sternal closure solutions. For example, in April 2024, Allergy UK, a national charity, reported that over 21 million people in the UK suffer from allergies—the most commonly reported chronic health condition in 2022—with projections suggesting half of Europe's population will experience at least one allergy by 2026. This rise in chronic conditions is a key driver behind the expanding sternal closure market.

Growing Cardiovascular Disease Rates Fueling Market Expansion

The increasing prevalence of cardiovascular diseases is another major factor propelling the sternal closure system market forward. Many cardiovascular conditions require surgeries that involve opening the sternum, making effective closure systems crucial for patient recovery. For instance, in September 2025, the British Heart Foundation highlighted that more than 7.6 million people in the UK—over 4 million men and 3.6 million women—live with cardiovascular disease. Due to an aging population and improved survival rates, this number is expected to increase by approximately 1 million by 2030 and around 2 million by 2040. This upward trend in cardiovascular disease cases is a significant catalyst for demand within the sternal closure market.

North America Leading While Asia-Pacific Emerges as Fastest Growing Market

In 2025, North America held the largest share of the sternal closure systems market. However, Asia-Pacific is poised to be the fastest-growing region over the forecast period. The market report covers comprehensive regional insights, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a broad perspective on global market developments.

Key enhancements in our 2026 market reports include:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

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