

Global Transcatheter Heart Valve Replacement and Repair Market Report and Forecast 2024-2032

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Report description:

Transcatheter Heart Valve Replacement and Repair Market Report and Forecast 2024-2032

Transcatheter Heart Valve Replacement and Repair Market Outlook

The transcatheter heart valve replacement and repair market size was valued USD 5.7 billion in 2023, driven by the rising surgical procedure, minimally invasive surgery, focus on patient safety and comfort across the globe. The market size is anticipated to grow at a CAGR of 12% during the forecast period of 2024-2032 to achieve a value of USD 15.7 billion by 2032.

Transcatheter Heart Valve Replacement and Repair: Introduction

Transcatheter Heart Valve Replacement and Repair, often referred to as TAVR (Transcatheter Aortic Valve Replacement) and TMVR (Transcatheter Mitral Valve Repair/Replacement), are innovative medical procedures designed to treat heart valve diseases using minimally invasive techniques. These procedures have revolutionized the field of cardiology by offering alternatives to traditional open-heart surgery for patients who may be at higher risk or considered ineligible for surgical valve replacement or repair. Both TAVR and TMVR procedures involve the insertion of catheters through blood vessels, typically in the groin area, and guiding them to the heart using advanced imaging technology. Once in position, the new valve (or repair device) is precisely placed within the native valve, restoring proper function and blood flow. These procedures are performed in specialized cardiac catheterization labs under the guidance of interventional cardiologists and cardiothoracic surgeons.

Key Trends in Transcatheter Heart Valve Replacement and Repair Market

- ☐ Technological Advancements: Ongoing advancements in medical technology have led to the development of improved transcatheter heart valve devices. These advancements focus on enhancing the durability, accuracy of placement, and overall performance of the valves.
- ☐ Expanding Indications: THVRR techniques were initially designed for high-risk or inoperable patients. However, there has been a trend toward expanding the indications to include intermediate and lower-risk patients, broadening the potential patient pool for these procedures.
- ☐ Minimally Invasive Approaches: The minimally invasive nature of THVRR procedures remains a significant trend. This approach reduces patient trauma, hospital stays, and recovery times compared to traditional open-heart surgeries. It also allows for

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procedures in older patients who might not be suitable candidates for major surgery.

- Increasing Clinical Trials: The THVRR market has seen a continued increase in clinical trials focused on evaluating the safety and efficacy of different transcatheter heart valve devices. These trials are crucial for obtaining regulatory approvals and expanding the indications for specific devices.

- Customization and Personalization: Manufacturers are exploring the development of more personalized and customizable transcatheter heart valve solutions. This includes considerations for patient anatomy, valve sizing, and delivery techniques to improve procedural outcomes.

Transcatheter Heart Valve Replacement and Repair Market Segmentation

The market can be categorised into procedure, indication, end user and region.

Market Breakup by Procedure

- Transcatheter Aortic Valve Replacement (TAVR)

- Transcatheter Mitral Valve Repair (TMVR)

- Transcatheter Pulmonary Valve Replacement (TPVR)

□

Market Breakup by Indication

- Aortic Stenosis

- Mitral Regurgitation

- Aortic Regurgitation

- Mitral Stenosis

- Tricuspid Regurgitation

Market Breakup by End User

- Hospitals

- Cardiac Catheterization Laboratories

- Ambulatory Surgical Centres

- Others

Market Breakup by Region

- North America

- Europe

- Asia Pacific

- Latin America

- Middle East and Africa

Transcatheter Heart Valve Replacement and Repair Market Overview

Transcatheter heart valve replacement and repair (THVRR) is a rapidly growing segment within the cardiovascular medical devices industry. It involves minimally invasive procedures to treat heart valve diseases, such as aortic stenosis and mitral regurgitation, without the need for open-heart surgery. THVRR techniques have gained significant traction due to their potential to provide safer and less invasive options for patients who are at higher risk or not suitable candidates for traditional surgical interventions. The THVRR market has witnessed substantial growth driven by increasing awareness among patients, advancements in medical technology, expanding indications, and favourable patient outcomes. The market is expected to continue growing due to an aging population and rising prevalence of heart valve diseases. The THVRR market has attracted significant attention from medical device manufacturers, leading to competition and innovation. Established players and

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newcomers alike are vying to develop more effective and patient-friendly solutions.

Key Players in the Transcatheter Heart Valve Replacement and Repair Market

The key features of the market report include patent analysis, grants analysis, clinical trials analysis, funding and investment analysis, partnerships, and collaborations analysis by the leading key players. The major companies in transcatheter heart valve replacement and repair market are as follows:

- Edwards Lifesciences Corporation
- Medtronic
- Abbott
- Boston Scientific Corporation
- B. Braun SE
- MicroPort Scientific Corporation
- Meril Life Sciences Pvt. Ltd.
- Sahajanand Medical Technologies Limited
- Venus Medtech (Hangzhou) Inc.
- Peijia Medical Limited
- Blue Sail Medical Co Ltd
- Penumbra, Inc.
- Encapson

We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

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