

Interatrial Shunt Devices Market Size, Share & Trends Analysis Report By Product

*The Business Research Company's
Interatrial Shunt Devices Global Market
Report 2025 – Market Size, Trends, And
Global Forecast 2025-2034*

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Interatrial Shunt Devices Global Market Report 2025

What Is The [Interatrial Shunt Devices Market](#) Size And Growth?

In recent years, the market size for interatrial shunt devices has witnessed a speedy expansion.

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Its growth projection is from \$2.63 billion in 2024 to \$2.90 billion in 2025, registering a compound annual growth rate (CAGR) of 10.5%. The augmented growth seen in the historical period is due to the mounting clinical proof backing its efficacy and safety, an increased demand for effective management of pulmonary hypertension, a heightened occurrence of comorbidities, an increase in regulatory approvals for investigational shunt systems, and a growing inclination towards outpatient and ambulatory cardiac care.

In the forthcoming years, the interatrial shunt devices market is envisaged to experience significant expansion. The prediction is a growth to the value of \$4.28 billion in 2029 with a compound annual growth rate (CAGR) of 10.2%. Factors contributing to this projected growth during the forecast period include an increased number of heart failure cases, an aging population, heightened awareness about the benefits of minimally invasive heart procedures, greater healthcare spending, and a rise in the usage of catheter-based treatments. Key trends expected during the forecast period constitute innovation in shunt device materials, reduced size of interventional devices due to technological advancements, incorporation of real-time imaging and navigation systems, progress in catheter-based delivery models, and advancements in the technology used for monitoring hemodynamic conditions.

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What Are The Current Leading Growth Drivers For Interatrial Shunt Devices Market?

The growth of the interatrial shunt devices market is projected to be fuelled by the rising cases of heart failure. Heart failure essentially means that the heart isn't able to efficiently circulate blood, leading to inadequate oxygen and nutrients being delivered to the tissues. The incidence of heart failure is on the rise due to the increasing occurrences of hypertension which slowly reduces the heart's pumping ability. Interatrial shunt devices provide relief in heart failure situations by creating a small hole between the right and left atria, which allows surplus pressure to move from the overworked left side of the heart to the right, effectively reducing pulmonary congestion and improving symptoms. According to a report in September 2024 by the Heart Failure Society of America, a professional organization based in the US, approximately 6.7 million Americans, age 20 and older, are living with heart failure as of 2024. This statistic is expected to increase to 11.4 million by the year 2050. Hence, the increasing cases of heart failure are anticipated to drive the growth of the interatrial shunt devices market.

Which Companies Are Currently Leading In The Interatrial Shunt Devices Market?

Major players in the Interatrial Shunt Devices Global Market Report 2025 include:

- Johnson & Johnson
- Abbott Laboratories
- Medtronic plc.
- Terumo Corporation
- Edwards Lifesciences Corporation
- Cook Medical
- Integra LifeSciences Holdings Corporation
- Lepu Medical Technology (Beijing) Co. Ltd.
- B. Braun Melsungen AG.
- W. L. Gore & Associates Inc.

What Are The Main Trends, Positively Impacting The Growth Of Interatrial Shunt Devices Market?

Firms in the interatrial shunt devices sector are concentrating on the advancement of ingenious solutions. One such example involves conducting first-in-man (FIM) clinical trials to gauge the safety and efficacy of new shunt technologies designed to alleviate left atrial pressure in patients with heart failure. The term first-in-man (FIM) clinical trial is linked with the preliminary phase of human testing of a new medical device or drug. The goal is to determine safety, tolerability and early efficiency following successful preclinical trials. For instance, US-based medical technology firm, Adona Medical Inc., successfully finished its first patient recruitment in January 2025 for its pioneering clinical trial, ATHENS-HF. This trial was set up to test a new interatrial shunt designed to help patients suffering from heart failure. One of the standout features of this device is its integration of therapeutic shunting with bi-atrial pressure monitoring, which promises a more

personalized and adaptable approach to the handling of heart failure.

How Is The [Interatrial Shunt Devices Market Segmented](#)?

The interatrial shunt devices market covered in this report is segmented –

- 1) By Device Type: Implantable Shunt Devices, Temporary Shunt Devices
- 2) By Delivery Method: Surgical Delivery, Transcatheter Delivery
- 3) By Material: Nitinol, Polyester, Polypropylene
- 4) By Application: Congenital Heart Disease, Heart Failure, Stroke Prevention
- 5) By End-User: Hospitals, Ambulatory Surgical Centers, Cardiac Catheterization Laboratories, Other Users

Subsegments:

- 1) By Implantable Shunt Devices: Single-Lumen Shunt Devices, Expandable Shunt Devices, Multi-Lumen Shunt Devices
- 2) By Temporary Shunt Devices: Balloon-Assisted Shunt Devices, Percutaneous Temporary Shunt Devices, Catheter-Based Shunt Devices

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Which Is The Dominating Region For The Interatrial Shunt Devices Market?

For the year specified, North America led the global market for interatrial shunt devices, boasting the largest region. It's anticipated that Asia-Pacific will experience the most rapid growth in the coming period. The market report on interatrial shunt devices encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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