

Global Transcatheter Devices Market Size study, by Product (Transcatheter Embolization & Occlusion Devices, Transcatheter Replacement Devices, Transcatheter Repair Devices), by Application (Cardiovascular, Oncology, Neurology, Urology, Others), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GDD1F9E8F174EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: GDD1F9E8F174EN

Abstracts

The Global Transcatheter Devices Market was valued at approximately USD 9.81 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 10.55% over the forecast period 2024-2032. Transcatheter devices represent a revolutionary approach in minimally invasive treatments, offering transformative solutions for various cardiovascular, neurological, and urological conditions. These devices, designed for precision and efficiency, enable patients to benefit from faster recovery times and reduced hospital stays compared to traditional invasive procedures. With a global surge in cardiovascular disorders, advancements in valve replacement technologies, and the increasing prevalence of chronic diseases, transcatheter devices are emerging as a pivotal solution to address evolving patient needs.

The market's robust growth is attributed to the rising adoption of minimally invasive procedures (MIS) that deliver superior clinical outcomes. MIS is favored due to reduced procedural risks, shorter recovery times, and economic benefits, making it a preferred choice among patients and healthcare providers. For instance, as per the American Heart Association, valvular heart disease affects approximately 2.5% of the U.S. adult population, emphasizing the need for advanced and safer interventions such as transcatheter aortic valve replacement (TAVR). In addition, innovations in transcatheter technology, including enhanced delivery systems and durable valve materials, have significantly boosted their application in complex anatomies.

The expanding burden of cardiovascular diseases worldwide remains one of the primary drivers for market growth. According to the American Heart Association, cardiovascular disease caused 931,578 deaths in the U.S. in 2021 alone, far exceeding fatalities from cancer and chronic lower respiratory diseases combined. Similarly, the increasing prevalence of neurological disorders, including brain aneurysms and stroke, is pushing demand for innovative transcatheter embolization and occlusion devices. Advances in cerebral embolic protection devices (CEPD) further underscore the growing importance of this market in minimizing procedural risks and improving patient outcomes.

The Asia Pacific region is poised to witness the fastest growth during the forecast period, driven by a rising geriatric population, increasing awareness of minimally invasive technologies, and significant investments in healthcare infrastructure. For example, strategic partnerships between global companies and local healthcare providers, such as the introduction of Meril Life Sciences' transcatheter heart valves in Japan, highlight the potential for expansion in emerging markets. Conversely, North America currently dominates the market, with the U.S. leading in terms of technological innovation and regulatory support, fostering significant product development and market penetration.

However, challenges such as the high cost of transcatheter devices and stringent regulatory requirements may impede market growth. Despite these hurdles, increasing R&D investments and a focus on product innovation are anticipated to unlock new opportunities, ensuring sustained growth over the forecast period.

Major market player included in this report are:

Edwards Lifesciences Corporation

Abbott

Boston Scientific Corporation

Medtronic

Meril Lifesciences Pvt. Ltd.

BioVentrix, Inc.

Relisys Medical Devices Limited.

B. Braun Interventional Systems Inc.

Terumo Corporation

Stryker

Cook Medical

Siemens Healthineers

Biotronik SE & Co. KG

W. L. Gore & Associates, Inc.

MicroPort Scientific Corporation

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

By Product:

Transcatheter Embolization and Occlusion Devices

Coils (Pushable Coils, Detachable Coils)

Non-coils (Flow Diverting Devices, Embolization Particles, Liquid Embolics, Others)

Accessories

Transcatheter Replacement Devices

Transcatheter Aortic Valve Replacement

Transcatheter Pulmonary Valve Replacement

Transcatheter Mitral Valve Replacement

Transcatheter Repair Devices

Transcatheter Mitral Valve Repair

Transcatheter Tricuspid Valve Repair

By Application:

Cardiovascular

Oncology

Neurology

Urology

Others

By Region:

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Denmark

Sweden

Norway

Asia Pacific

Japan

China

India

South Korea

Australia

Thailand

Latin America

Brazil

Argentina

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

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 regional-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 approaches.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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