

# Artificial Organ Market Report Examines Industry Trends, Growth Drivers And Future Outlook

*The Business Research Company's  
Artificial Organ Market Report 2026 –  
Market Size, Trends, And Global Forecast  
2026-2035*

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KINGDOM, July 27, 2026

/EINPresswire.com/ -- "The [artificial  
organ market](#) has been experiencing

significant growth recently, driven by medical advancements and increasing healthcare needs. As organ failure cases rise and donor shortages persist, the demand for artificial organs continues to expand, fueling innovation and investment in this vital sector. Let's explore the current market size, growth drivers, regional dynamics, and key factors influencing the artificial organ industry.

The logo for The Business Research Company, featuring a stylized bar chart with three bars of increasing height, colored in teal and dark blue. The text "The Business Research Company" is written in a serif font to the left of the chart.

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## Market Growth and Size Forecast for the Artificial Organ Market

The artificial organ market has seen rapid expansion over the past few years. It is projected to grow from \$25.73 billion in 2025 to \$28.36 billion in 2026, reflecting a compound annual growth rate (CAGR) of 10.2%. This growth during the historical period is largely due to a rising number of organ failure cases, a shortage of donor organs, advances in biomedical engineering, the expansion of dialysis and cardiac support therapies, and the increasing length of transplant waiting lists.

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Looking ahead, the market is expected to continue its strong performance, reaching \$41.12 billion by 2030 with a CAGR of 9.7%. Factors contributing to this projected growth include greater investments in bioengineered organs, wider adoption of personalized implant solutions, increased funding for artificial organ research, breakthroughs in regenerative medicine, and growing acceptance of long-term implantable devices. Key trends anticipated during this period involve the rising use of implantable artificial organs, incorporation of advanced biomaterials, integration of smart and sensor-enabled devices, expansion of minimally invasive implantation

techniques, and a stronger emphasis on long-term biocompatibility.

### Understanding Artificial Organs and Their Purpose

An artificial organ is a device designed to be implanted or integrated into the human body to replace, replicate, or enhance the function of a natural organ. These devices allow patients to resume normal activities more quickly by supporting or substituting the function of a failing organ, effectively improving quality of life and medical outcomes.

View the full artificial organ market report:

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### Key Influences Driving Growth in the Artificial Organ Market

The growing need for organ transplants is a major factor propelling the artificial organ market forward. Organ transplantation involves removing a healthy organ or tissue from a donor and surgically placing it into a recipient to replace a damaged or failing organ. Artificial organ technologies support this process by offering temporary or permanent replacements, thus reducing dependence on donor availability and improving patient survival chances.

For example, in July 2025, NHS Blood and Transplant, a government organization in the UK, reported that as of March 2025, there were 8,096 patients on the active transplant waiting list, including 276 children—the highest number ever recorded. Additionally, about 3,883 patients were temporarily suspended from the list. This growing demand for organ transplants directly contributes to the increasing adoption and development of artificial organs.

### Regional Market Leadership in the Artificial Organ Industry

In 2025, North America held the largest market share within the artificial organ sector. Meanwhile, the Asia-Pacific region is expected to experience the fastest growth over the forecast period. The market analysis includes key regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, offering a comprehensive global overview of market trends and opportunities.

Our 2026 reports feature deeper market intelligence with 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, and updated graphics and tables.

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