

Cardiac Prosthetic Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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Abstracts

The Global Cardiac Prosthetic Devices Market was valued at USD 8.6 billion in 2024 and is projected to grow at a CAGR of 8.4% from 2025 to 2034. This growth is driven by advancements in medical technology, an increasing prevalence of cardiovascular conditions, a growing aging population, and a rising preference for minimally invasive procedures. The elderly, being more prone to heart-related conditions, are creating significant demand for these devices, particularly for heart valve replacements and similar interventions.

Innovations in device materials, design, and minimally invasive implantation techniques have greatly enhanced the safety and efficiency of cardiac prosthetics. These advancements have broadened the scope of applications, allowing for better outcomes for patients who cannot undergo traditional surgical treatments. Cardiac prosthetic devices are critical tools for managing severe cardiovascular issues that are unresponsive to medication or less invasive solutions.

The market is segmented by product into pacemakers and heart valves, with pacemakers generating the highest revenue in 2024. The rising prevalence of arrhythmias, including conditions that disrupt normal heart rhythm, is fueling demand for pacemakers. Advanced technologies like leadless designs, MRI compatibility, and wireless connectivity are further driving market expansion by improving patient convenience and device functionality.

In terms of end-use, the market is categorized into hospitals, ambulatory surgical centers, and other healthcare settings. Hospitals dominated the segment in 2024 and are expected to see significant growth by 2034, reaching USD 9 billion in revenue.

Specialized cardiac units in hospitals are increasingly equipped with advanced devices to handle complex cardiac procedures, making these facilities the largest consumers of cardiac prosthetics. Furthermore, hospitals are prioritizing cost-effective solutions that enhance patient outcomes and reduce recovery times, further boosting demand for innovative cardiac devices.

Geographically, North America accounted for USD 3.7 billion of the market share in 2024 and is poised for substantial growth at a CAGR of 7.7% during the forecast period. The high prevalence of cardiovascular diseases, coupled with a strong focus on technological innovation, positions this region as a key market. Continuous advancements in device design and minimally invasive procedures are driving adoption among healthcare providers, ensuring better patient care and outcomes.

Contents

Report Content

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definitions
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
 - 1.3.1 Base year calculation
 - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
 - 1.5.1 Primary sources
 - 1.5.2 Data mining sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.1.1 Increase in prevalence of cardiovascular diseases across the globe
 - 3.2.1.2 Technological advancements in cardiac prosthetic devices
 - 3.2.1.3 Increasing preferences for minimally invasive procedures among aging population
 - 3.2.1.4 Rising awareness and diagnosis for cardiac ailments
 - 3.2.2 Industry pitfalls and challenges
 - 3.2.2.1 High cost of the devices
 - 3.2.2.2 Dearth of skilled healthcare professionals
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
- 3.5 Reimbursement scenario
- 3.6 Technology landscape

3.7 Future market trends

3.8 Gap analysis

3.9 Porter's analysis

3.10 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

4.1 Introduction

4.2 Company matrix analysis

4.3 Company market share analysis

4.4 Competitive analysis of major market players

4.5 Competitive positioning matrix

4.6 Strategy dashboard

CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY PRODUCT, 2021 – 2034 (\$ MN)

5.1 Key trends

5.2 Pacemaker

5.2.1 Implantable pacemaker

5.2.2 External pacemakers

5.3 Heart valves

5.3.1 Mechanical heart valve

5.3.2 Tissue heart valve

5.3.3 Transcatheter heart valve

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 – 2034 (\$ MN)

6.1 Key trends

6.2 Hospitals

6.3 Ambulatory surgical centers

6.4 Other end users

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2034 (\$ MN)

7.1 Key trends

7.2 North America

- 7.2.1 U.S.
- 7.2.2 Canada
- 7.3 Europe
 - 7.3.1 Germany
 - 7.3.2 UK
 - 7.3.3 France
 - 7.3.4 Spain
 - 7.3.5 Italy
 - 7.3.6 Netherlands
- 7.4 Asia Pacific
 - 7.4.1 China
 - 7.4.2 Japan
 - 7.4.3 India
 - 7.4.4 Australia
 - 7.4.5 South Korea
- 7.5 Latin America
 - 7.5.1 Brazil
 - 7.5.2 Mexico
 - 7.5.3 Argentina
- 7.6 Middle East and Africa
 - 7.6.1 South Africa
 - 7.6.2 Saudi Arabia
 - 7.6.3 UAE

CHAPTER 8 COMPANY PROFILES

- 8.1 Abbott Laboratories
- 8.2 Abiomed
- 8.3 AtriCure
- 8.4 Biotronik
- 8.5 Boston Scientific Corporation
- 8.6 CryoLife
- 8.7 Edwards Lifesciences Corporation
- 8.8 Labcor Laboratorios
- 8.9 Lepu Medical Technology
- 8.10 Lifetech Scientific
- 8.11 LivaNova
- 8.12 Medtronic
- 8.13 Meril Life Sciences

8.14 MicroPort Scientific
8.15 Siemens Healthcare

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