

North America Prosthetic Heart Valve Market By Product (Tissue Heart Valve, Mechanical Heart Valve, Transcatheter Heart Valve) , : Opportunity Analysis and Industry Forecast, 2024-2033

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Abstracts

North America Prosthetic Heart Valve Market

The North America prosthetic heart valve market was valued at \$3.5 billion in 2023 and is projected to reach \$9.8 billion by 2033, growing at a CAGR of 10.7% from 2024 to 2033.

A prosthetic heart valve is a man-made equipment used to replace the damaged native valves of the human heart. It opens and reopens with each heartbeat, similar to the natural valves, allowing the blood to flow throughout the body efficiently. It is majorly of two types, bioprosthetic and mechanical. A bioprosthetic valve is developed using natural tissues taken from humans or animals. Alternatively, a mechanical valve is made of sturdy materials such as carbon or titanium. The longevity of the device guarantees 20–30 years of operation and lowers the risk of blood clotting close to the valve surface.

The U.S. Census Bureau indicates the geriatric population to grow exponentially by 2030. Since the elderly population remains highly susceptible to heart disorders, the North America prosthetic heart valve market is anticipated to grow significantly in the future. Furthermore, the availability of advanced medical and imaging technologies enables the development of customized valves as per the requirement of each patient. This acts as a key driver of the market. A notable trend gaining prominence in the market for elevating the efficacy of the device is the integration of wireless smart sensors into it. These sensors facilitate real-time monitoring of pressure gradient and

blood flow through the heart, which enables early detection of issues after the surgery.

However, the introduction of new surgical methods and valve-associated technologies is a time-consuming process due to the stringent regulatory framework established by governing bodies such as the U.S. Food and Drug Administration. This delays the advent of innovative technologies and hampers the growth of the North America prosthetic heart valve market. On the contrary, expansion of the medical tourism industry in the country is poised to present remunerative opportunities for the market. For instance, a report by Patient Beyond Borders—an advocate of affordable, high-quality medical care for healthcare consumers globally—states that the U.S. is a prime location for inbound medical tourism as the country hosts more than 1.4 million patients annually, generating a revenue of over \$14 billion. Moreover, cardiology is one of the popular procedures for which foreign patients visit the region. Therefore, the future of the North America prosthetic heart valve market looks promising.

Segment Review

The North America prosthetic heart valve market is segmented on the basis of product, and country. On the basis of product, it is divided into tissue heart valve, mechanical heart valve, and transcatheter heart valve. Country wise, it is analyzed across the U.S., Canada, and Mexico.

Key Findings

On the basis of product, the transcatheter heart valve segment held a high share of the market in 2023.

Competition Analysis

The major players in the global North America prosthetic heart valve market include Abbott Laboratories, Artivion, Inc., Anteris Technologies Ltd., Boston Scientific Corporation, Edward Lifesciences Corporation, JenaValve Technology, Inc., Colibri Heart Valve, Medtronic plc, Meril Life Sciences Pvt. Ltd., and ShockWave Medical, Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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Expanded list for Company Profiles

Historic market data

Key player details (including location, contact details, supplier/vendor network

etc. in excel format)

Key Market Segments

By Product

Tissue Heart Valve

Stented Tissue Heart Valve

Stentless Tissue Heart Valve

Mechanical Heart Valve

Transcatheter Heart Valve

By Country

U.S.

Canada

Mexico

Key Market Players

Abbott Laboratories

Artivion, Inc.

Anteris Technologies Ltd

Boston Scientific Corporation

Edward Lifesciences Corporation

JenaValve Technology, Inc.

Colibri Heart Valve

Medtronic plc

Meril Life Sciences Pvt. Ltd.

ShockWave Medical, Inc.

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
 - 3.4.1. Drivers
 - 3.4.2. Restraints
 - 3.4.3. Opportunities

CHAPTER 4: NORTH AMERICA PROSTHETIC HEART VALVE MARKET, BY PRODUCT

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Product
- 4.2. Tissue Heart Valve

- 4.2.1. Key Market Trends, Growth Factors and Opportunities
- 4.2.2. Market Share Analysis, By Country
- 4.2.3. Stented Tissue Heart Valve
- 4.2.4. Stentless Tissue Heart Valve
- 4.3. Mechanical Heart Valve
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Share Analysis, By Country
- 4.4. Transcatheter Heart Valve
 - 4.4.1. Key Market Trends, Growth Factors and Opportunities
 - 4.4.2. Market Share Analysis, By Country

CHAPTER 5: NORTH AMERICA PROSTHETIC HEART VALVE MARKET, BY COUNTRY

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Country
- 5.2. North America
 - 5.2.2. Key Market Trends and Opportunities
 - 5.2.2. Market Size and Forecast, By Product
 - 5.2.3. Market Size and Forecast, By Country
 - 5.2.4.U.S.
 - 5.2.4.1. Market Size and Forecast, By Product
 - 5.2.5.Canada
 - 5.2.5.1. Market Size and Forecast, By Product
 - 5.2.6.Mexico
 - 5.2.6.1. Market Size and Forecast, By Product

CHAPTER 6: COMPETITIVE LANDSCAPE

- 6.1. Introduction
- 6.2. Top Winning Strategies
- 6.3. Product Mapping Of Top 10 Player
- 6.4. Competitive Dashboard
- 6.5. Competitive Heatmap
- 6.6. Top Player Positioning,2023

CHAPTER 7: COMPANY PROFILES

- 7.1. Abbott Laboratories

- 7.1.1. Company Overview
- 7.1.2. Key Executives
- 7.1.3. Company Snapshot
- 7.1.4. Operating Business Segments
- 7.1.5. Product Portfolio
- 7.1.6. Business Performance
- 7.1.7. Key Strategic Moves and Developments
- 7.2. Artivion, Inc.
 - 7.2.1. Company Overview
 - 7.2.2. Key Executives
 - 7.2.3. Company Snapshot
 - 7.2.4. Operating Business Segments
 - 7.2.5. Product Portfolio
 - 7.2.6. Business Performance
 - 7.2.7. Key Strategic Moves and Developments
- 7.3. Anteris Technologies Ltd
 - 7.3.1. Company Overview
 - 7.3.2. Key Executives
 - 7.3.3. Company Snapshot
 - 7.3.4. Operating Business Segments
 - 7.3.5. Product Portfolio
 - 7.3.6. Business Performance
 - 7.3.7. Key Strategic Moves and Developments
- 7.4. Boston Scientific Corporation
 - 7.4.1. Company Overview
 - 7.4.2. Key Executives
 - 7.4.3. Company Snapshot
 - 7.4.4. Operating Business Segments
 - 7.4.5. Product Portfolio
 - 7.4.6. Business Performance
 - 7.4.7. Key Strategic Moves and Developments
- 7.5. Edward Lifesciences Corporation
 - 7.5.1. Company Overview
 - 7.5.2. Key Executives
 - 7.5.3. Company Snapshot
 - 7.5.4. Operating Business Segments
 - 7.5.5. Product Portfolio
 - 7.5.6. Business Performance
 - 7.5.7. Key Strategic Moves and Developments

- 7.6. JenaValve Technology, Inc.
 - 7.6.1. Company Overview
 - 7.6.2. Key Executives
 - 7.6.3. Company Snapshot
 - 7.6.4. Operating Business Segments
 - 7.6.5. Product Portfolio
 - 7.6.6. Business Performance
 - 7.6.7. Key Strategic Moves and Developments
- 7.7. Colibri Heart Valve
 - 7.7.1. Company Overview
 - 7.7.2. Key Executives
 - 7.7.3. Company Snapshot
 - 7.7.4. Operating Business Segments
 - 7.7.5. Product Portfolio
 - 7.7.6. Business Performance
 - 7.7.7. Key Strategic Moves and Developments
- 7.8. Medtronic Plc
 - 7.8.1. Company Overview
 - 7.8.2. Key Executives
 - 7.8.3. Company Snapshot
 - 7.8.4. Operating Business Segments
 - 7.8.5. Product Portfolio
 - 7.8.6. Business Performance
 - 7.8.7. Key Strategic Moves and Developments
- 7.9. Meril Life Sciences Pvt. Ltd.
 - 7.9.1. Company Overview
 - 7.9.2. Key Executives
 - 7.9.3. Company Snapshot
 - 7.9.4. Operating Business Segments
 - 7.9.5. Product Portfolio
 - 7.9.6. Business Performance
 - 7.9.7. Key Strategic Moves and Developments
- 7.10. ShockWave Medical, Inc.
 - 7.10.1. Company Overview
 - 7.10.2. Key Executives
 - 7.10.3. Company Snapshot
 - 7.10.4. Operating Business Segments
 - 7.10.5. Product Portfolio
 - 7.10.6. Business Performance

7.10.7. Key Strategic Moves and Developments

LIST OF TABLES

TABLE 1. NORTH AMERICA PROSTHETIC HEART VALVE MARKET, BY PRODUCT, 2024 - 2033 (\$BILLION)

TABLE 2. NORTH AMERICA PROSTHETIC HEART VALVE MARKET FOR TISSUE HEART VALVE, BY COUNTRY, 2024 - 2033 (\$BILLION)

TABLE 3. NORTH AMERICA PROSTHETIC HEART VALVE MARKET FOR MECHANICAL HEART VALVE, BY COUNTRY, 2024 - 2033 (\$BILLION)

TABLE 4. NORTH AMERICA PROSTHETIC HEART VALVE MARKET FOR TRANSCATHETER HEART VALVE, BY COUNTRY, 2024 - 2033 (\$BILLION)

TABLE 5. NORTH AMERICA PROSTHETIC HEART VALVE MARKET, BY COUNTRY, 2024 - 2033 (\$BILLION)

TABLE 6. NORTH AMERICA PROSTHETIC HEART VALVE MARKET, BY PRODUCT, 2024 - 2033 (\$BILLION)

TABLE 7. U.S. PROSTHETIC HEART VALVE MARKET, BY PRODUCT, 2024 - 2033 (\$BILLION)

TABLE 8. CANADA PROSTHETIC HEART VALVE MARKET, BY PRODUCT, 2024 - 2033 (\$BILLION)

TABLE 9. MEXICO PROSTHETIC HEART VALVE MARKET, BY PRODUCT, 2024 - 2033 (\$BILLION)

TABLE 10. ABBOTT LABORATORIES: KEY EXECUTIVES

TABLE 11. ABBOTT LABORATORIES: COMPANY SNAPSHOT

TABLE 12. ABBOTT LABORATORIES: OPERATING SEGMENTS

TABLE 13. ABBOTT LABORATORIES: PRODUCT PORTFOLIO

TABLE 14. ABBOTT LABORATORIES: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 15. ARTIVION, INC.: KEY EXECUTIVES

TABLE 16. ARTIVION, INC.: COMPANY SNAPSHOT

TABLE 17. ARTIVION, INC.: OPERATING SEGMENTS

TABLE 18. ARTIVION, INC.: PRODUCT PORTFOLIO

TABLE 19. ARTIVION, INC.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 20. ANTERIS TECHNOLOGIES LTD: KEY EXECUTIVES

TABLE 21. ANTERIS TECHNOLOGIES LTD: COMPANY SNAPSHOT

TABLE 22. ANTERIS TECHNOLOGIES LTD: OPERATING SEGMENTS

TABLE 23. ANTERIS TECHNOLOGIES LTD: PRODUCT PORTFOLIO

TABLE 24. ANTERIS TECHNOLOGIES LTD: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 25. BOSTON SCIENTIFIC CORPORATION: KEY EXECUTIVES

TABLE 26. BOSTON SCIENTIFIC CORPORATION: COMPANY SNAPSHOT

TABLE 27. BOSTON SCIENTIFIC CORPORATION: OPERATING SEGMENTS

TABLE 28. BOSTON SCIENTIFIC CORPORATION: PRODUCT PORTFOLIO

TABLE 29. BOSTON SCIENTIFIC CORPORATION: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 30. EDWARD LIFESCIENCES CORPORATION: KEY EXECUTIVES

TABLE 31. EDWARD LIFESCIENCES CORPORATION: COMPANY SNAPSHOT

TABLE 32. EDWARD LIFESCIENCES CORPORATION: OPERATING SEGMENTS

TABLE 33. EDWARD LIFESCIENCES CORPORATION: PRODUCT PORTFOLIO

TABLE 34. EDWARD LIFESCIENCES CORPORATION: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 35. JENAVALVE TECHNOLOGY, INC.: KEY EXECUTIVES

TABLE 36. JENAVALVE TECHNOLOGY, INC.: COMPANY SNAPSHOT

TABLE 37. JENAVALVE TECHNOLOGY, INC.: OPERATING SEGMENTS

TABLE 38. JENAVALVE TECHNOLOGY, INC.: PRODUCT PORTFOLIO

TABLE 39. JENAVALVE TECHNOLOGY, INC.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 40. COLIBRI HEART VALVE: KEY EXECUTIVES

TABLE 41. COLIBRI HEART VALVE: COMPANY SNAPSHOT

TABLE 42. COLIBRI HEART VALVE: OPERATING SEGMENTS

TABLE 43. COLIBRI HEART VALVE: PRODUCT PORTFOLIO

TABLE 44. COLIBRI HEART VALVE: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 45. MEDTRONIC PLC: KEY EXECUTIVES

TABLE 46. MEDTRONIC PLC: COMPANY SNAPSHOT

TABLE 47. MEDTRONIC PLC: OPERATING SEGMENTS

TABLE 48. MEDTRONIC PLC: PRODUCT PORTFOLIO

TABLE 49. MEDTRONIC PLC: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 50. MERIL LIFE SCIENCES PVT. LTD.: KEY EXECUTIVES

TABLE 51. MERIL LIFE SCIENCES PVT. LTD.: COMPANY SNAPSHOT

TABLE 52. MERIL LIFE SCIENCES PVT. LTD.: OPERATING SEGMENTS

TABLE 53. MERIL LIFE SCIENCES PVT. LTD.: PRODUCT PORTFOLIO

TABLE 54. MERIL LIFE SCIENCES PVT. LTD.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 55. SHOCKWAVE MEDICAL, INC.: KEY EXECUTIVES

TABLE 56. SHOCKWAVE MEDICAL, INC.: COMPANY SNAPSHOT

TABLE 57. SHOCKWAVE MEDICAL, INC.: OPERATING SEGMENTS

TABLE 58. SHOCKWAVE MEDICAL, INC.: PRODUCT PORTFOLIO

TABLE 59. SHOCKWAVE MEDICAL, INC.: KEY STRATEGIC MOVES AND DEVELOPMENTS

LIST OF FIGURES

FIGURE 1. NORTH AMERICA PROSTHETIC HEART VALVE MARKET, 2024 - 2033

FIGURE 2. SEGMENTATION OF NORTH AMERICA PROSTHETIC HEART VALVE MARKET, 2024 - 2033

FIGURE 3. TOP INVESTMENT POCKET IN NORTH AMERICA PROSTHETIC HEART VALVE MARKET, 2024 - 2033

FIGURE 4. MODERATE BARGAINING POWER OF BUYERS

FIGURE 5. MODERATE BARGAINING POWER OF SUPPLIERS

FIGURE 6. MODERATE THREAT OF NEW ENTRANTS

FIGURE 7. LOW THREAT OF SUBSTITUTION

FIGURE 8. HIGH COMPETITIVE RIVALRY

FIGURE 9. OPPORTUNITIES, RESTRAINTS AND DRIVERS: NORTH AMERICA PROSTHETIC HEART VALVE MARKET

FIGURE 10. NORTH AMERICA PROSTHETIC HEART VALVE MARKET , BY PRODUCT, 2024 - 2033 (\$BILLION)

FIGURE 11. NORTH AMERICA PROSTHETIC HEART VALVE MARKET FOR TISSUE HEART VALVE, BY COUNTRY, 2024 - 2033 (\$BILLION)

FIGURE 12. NORTH AMERICA PROSTHETIC HEART VALVE MARKET FOR MECHANICAL HEART VALVE, BY COUNTRY, 2024 - 2033 (\$BILLION)

FIGURE 13. NORTH AMERICA PROSTHETIC HEART VALVE MARKET FOR TRANSCATHETER HEART VALVE, BY COUNTRY, 2024 - 2033 (\$BILLION)

FIGURE 14. TOP WINNING STRATEGIES, BY YEAR, 2021-2023*

FIGURE 15. TOP WINNING STRATEGIES, BY DEVELOPMENT, 2021-2023*

FIGURE 16. TOP WINNING STRATEGIES, BY COMPANY, 2021-2023*

FIGURE 17. PRODUCT MAPPING OF TOP 10 PLAYERS

FIGURE 18. COMPETITIVE DASHBOARD

FIGURE 19. COMPETITIVE HEATMAP: NORTH AMERICA PROSTHETIC HEART VALVE MARKET

FIGURE 20. TOP PLAYER POSITIONING, 2023

FIGURE 21. ABBOTT LABORATORIES: NET SALES, 2021-2023 (\$BILLION)

FIGURE 22. ABBOTT LABORATORIES: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 23. ABBOTT LABORATORIES: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 24. ARTIVION, INC.: NET SALES, 2021-2023 (\$BILLION)

FIGURE 25. ARTIVION, INC.: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 26. ARTIVION, INC.: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 27. ANTERIS TECHNOLOGIES LTD: NET SALES, 2021-2023 (\$BILLION)

FIGURE 28. ANTERIS TECHNOLOGIES LTD: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 29. ANTERIS TECHNOLOGIES LTD: REVENUE SHARE, BY REGION, 2023

(%)

FIGURE 30. BOSTON SCIENTIFIC CORPORATION: NET SALES, 2021-2023 (\$BILLION)

FIGURE 31. BOSTON SCIENTIFIC CORPORATION: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 32. BOSTON SCIENTIFIC CORPORATION: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 33. EDWARD LIFESCIENCES CORPORATION: NET SALES, 2021-2023 (\$BILLION)

FIGURE 34. EDWARD LIFESCIENCES CORPORATION: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 35. EDWARD LIFESCIENCES CORPORATION: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 36. JENAVALVE TECHNOLOGY, INC.: NET SALES, 2021-2023 (\$BILLION)

FIGURE 37. JENAVALVE TECHNOLOGY, INC.: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 38. JENAVALVE TECHNOLOGY, INC.: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 39. COLIBRI HEART VALVE: NET SALES, 2021-2023 (\$BILLION)

FIGURE 40. COLIBRI HEART VALVE: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 41. COLIBRI HEART VALVE: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 42. MEDTRONIC PLC: NET SALES, 2021-2023 (\$BILLION)

FIGURE 43. MEDTRONIC PLC: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 44. MEDTRONIC PLC: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 45. MERIL LIFE SCIENCES PVT. LTD.: NET SALES, 2021-2023 (\$BILLION)

FIGURE 46. MERIL LIFE SCIENCES PVT. LTD.: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 47. MERIL LIFE SCIENCES PVT. LTD.: REVENUE SHARE, BY REGION, 2023 (%)

FIGURE 48. SHOCKWAVE MEDICAL, INC.: NET SALES, 2021-2023 (\$BILLION)

FIGURE 49. SHOCKWAVE MEDICAL, INC.: REVENUE SHARE, BY SEGMENT, 2023 (%)

FIGURE 50. SHOCKWAVE MEDICAL, INC.: REVENUE SHARE, BY REGION, 2023 (%)

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