

Coronary Artery Bypass Graft Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

<https://marketpublishers.com/r/C1E32C5DA890EN.html>

Date: November 2024

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: C1E32C5DA890EN

Abstracts

The Global Coronary Artery Bypass Graft Market reached a valuation of USD 11.8 billion in 2023 and is anticipated to grow at a CAGR of 7.1% from 2024 to 2032.

Coronary artery bypass graft (CABG) is a surgical solution for coronary artery disease (CAD), creating a new pathway for blood flow to the heart using a graft. Typically, this graft comes from a section of a blood vessel in the patient's body, such as the saphenous vein from the leg or the internal mammary artery from the chest.

The market divides by-products into grafts, retractors, heart positioners, tissue stabilizers, and others, with grafts further segmented into saphenous veins, internal thoracic arteries, and other graft types. In 2023, the grafts segment alone was valued at over USD 3.1 billion. Technological improvements, such as tissue engineering and 3D printing, have advanced graft production, resulting in products that closely mimic natural vessels, enhancing compatibility, lowering rejection rates, and reducing post-operative complications. Innovative materials in grafts, including synthetic, bioengineered, and drug-eluting options, improve durability and biocompatibility, reducing restenosis and supporting better patient recovery outcomes, which, in turn, fosters market expansion.

By method, the coronary artery bypass graft market is segmented into traditional (on-pump) and minimally invasive direct CABG. Traditional CABG, which had a leading revenue share of 55.1% in 2023, remains the preferred choice for complex, multi-vessel disease cases requiring precise control. The rise in CAD globally—driven by factors like sedentary lifestyles, poor diet, diabetes, and hypertension—has led to a growing need for CABG procedures to improve patient outcomes.

U.S. coronary artery bypass graft market exceeded USD 3.5 billion in 2023 and is

projected to grow at a CAGR of 6.7% through 2032. U.S. hospitals are adopting advanced surgical techniques, including minimally invasive and robotic-assisted CABG, which offer faster recovery times and fewer post-surgical complications, making the procedure increasingly appealing. The prevalence of multi-vessel disease in the U.S. also contributes to the rising demand for CABG procedures.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Research design
 - 1.2.1 Research approach
 - 1.2.2 Data collection methods
- 1.3 Base estimates & 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 Increasing in prevalence of cardiovascular diseases
 - 3.2.1.2 Growing technological advancement
 - 3.2.1.3 Rising prevalence of hypertension
 - 3.2.1.4 Favorable reimbursement scenario
 - 3.2.2 Industry pitfalls & challenges
 - 3.2.2.1 High cost associated with surgery procedures
 - 3.2.2.2 Complications associated with the surgery
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
- 3.5 Technological landscape
- 3.6 Future market trends
- 3.7 Gap analysis

3.8 Porter's analysis

3.9 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2023

4.1 Introduction

4.2 Company market share analysis

4.3 Company matrix 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 – 2032 (\$ MN)

5.1 Key trends

5.2 Grafts

5.2.1 Saphenous vein grafts

5.2.2 Internal thoracic artery grafts

5.2.3 Other grafts

5.3 Retractors

5.4 Heart positioners

5.5 Tissue stabilizers

5.6 Other products

CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY METHOD, 2021 – 2032 (\$ MN)

6.1 Key trends

6.2 Traditional (on-pump) CABG

6.3 Minimally invasive direct CABG

6.3.1 Off-pump CABG

6.3.2 Keyhole CABG

6.3.3 Other minimally invasive CABG surgeries

CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY SURGERY TYPE, 2021 – 2032 (\$ MN)

7.1 Key trends

- 7.2 Single CABG surgery
- 7.3 Double CABG surgery
- 7.4 Triple CABG surgery
- 7.5 Quadruple CABG surgery

CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 – 2032 (\$ MN)

- 8.1 Key trends
- 8.2 Hospitals
- 8.3 Cardiology centers
- 8.4 Other end users

CHAPTER 9 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2032 (\$ MN)

- 9.1 Key trends
- 9.2 North America
 - 9.2.1 U.S.
 - 9.2.2 Canada
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.2 UK
 - 9.3.3 France
 - 9.3.4 Spain
 - 9.3.5 Italy
- 9.4 Asia Pacific
 - 9.4.1 China
 - 9.4.2 Japan
 - 9.4.3 India
 - 9.4.4 Australia
 - 9.4.5 South Korea
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.2 Mexico
 - 9.5.3 Argentina
- 9.6 Middle East and Africa
 - 9.6.1 South Africa
 - 9.6.2 Saudi Arabia

9.6.3 UAE

CHAPTER 10 COMPANY PROFILES

- 10.1 Abbott Laboratories
- 10.2 AngioDynamics
- 10.3 AtriCure
- 10.4 B. Braun Melsungen AG
- 10.5 Boston Scientific
- 10.6 Cardinal Health
- 10.7 CryoLife
- 10.8 Edwards Lifesciences
- 10.9 Johnson & Johnson
- 10.10 LivaNova
- 10.11 Medline Industries
- 10.12 Medtronic
- 10.13 Nipro Corporation
- 10.14 Stryker Corporation
- 10.15 Terumo Corporation

I would like to order

Product name: Coronary Artery Bypass Graft Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

Product link: <https://marketpublishers.com/r/C1E32C5DA890EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C1E32C5DA890EN.html>