

# Vascular Access Procedures Market Outlook 2026-2034: Market Share, and Growth Analysis By Type (Arteriovenous Fistulas, Arteriovenous Grafts, Central Venous Catheters, Others), By Application (Chemotherapy, Hemodialysis, Blood Transfusions, Intravenous Antibiotic Treatment, Others)

<https://marketpublishers.com/r/V3E7F51FD79FEN.html>

Date: November 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: V3E7F51FD79FEN

## Abstracts

The Vascular Access Procedures Market is valued at USD 74.98 billion in 2025 and is projected to grow at a CAGR of 5.1% to reach USD 117.3 billion by 2034.

### Vascular Access Procedures Market

The Vascular Access Procedures Market is repositioning from device-by-device purchasing to outcomes-anchored, pathway-driven care spanning acute, chronic, and home settings. Adoption is propelled by rising infusion therapies, dialysis prevalence, oncology regimens, perioperative ERAS protocols, and expanding ambulatory/at-home models. Clinical priorities center on first-stick success, dwell longevity, and complication avoidance - thrombosis, infection, infiltration, and device migration - supported by ultrasound guidance, standardized insertion bundles, and securement innovations. Portfolios now integrate peripheral IVs, midlines, PICCs, tunneled and non-tunneled CVCs, implantable ports, dialysis catheters, and emerging arterial/venous access aids, with antimicrobial/antithrombotic materials, chlorhexidine dressings, and sutureless stabilization improving durability and safety. Workflow innovation emphasizes bedside ultrasound, tip-tracking/ECG confirmation, closed systems, and pre-connected needleless valves to reduce contamination and radiation. Value analysis expands beyond unit price to total-episode economics: insertion time, complication-related readmissions, device longevity, supply standardization, and staff training. Vendor

differentiation increasingly hinges on integrated kits, pre-assembled systems, data-ready securement, and clinical education that elevates vascular access teams. Digital documentation and device analytics strengthen compliance with insertion/maintenance bundles and credentialing. Home infusion and outpatient oncology accelerate demand for ports and reliable mid- to long-term options with low maintenance burden. Sustainability enters tenders via lower waste kits and recyclable packaging. Overall, the market is professionalizing around ultrasound-guided, bundle-compliant, and data-supported pathways that deliver higher first-attempt success, fewer complications, and predictable cost-in-use - positioning vascular access as a strategic lever for patient experience, throughput, and enterprise quality metrics across hospitals, ASCs, and home-based care.

### Vascular Access Procedures Market Key Insights

Ultrasound guidance becomes standard. Routine bedside imaging for peripheral and central lines raises first-pass success, reduces arterial puncture and infiltration, and shortens procedure time across skill levels.

Bundles beat variability. Insertion and maintenance bundles - hand hygiene, maximal barriers, chlorhexidine, securement, and daily necessity review - consistently lower catheter-related infection and thrombosis risk.

Securement and dressings evolve. Sutureless devices, CHG-impregnated patches, and breathable, moisture-managing dressings extend dwell time, reduce accidental dislodgement, and simplify site checks.

Tip location without radiation. ECG-based tip confirmation and ultrasound tip-tracking replace routine fluoroscopy for many placements, enabling bedside insertions and faster room turnover.

Right line, right time. Escalation algorithms (PIV ? midline ? PICC/port/CVC) based on therapy duration, osmolarity, and vessel quality cut complications and re-sticks while protecting veins.

Antimicrobial and antithrombotic surfaces. Coatings and bonded agents lower microbial colonization and fibrin sheath formation, improving patency and reducing maintenance interventions.

Integrated, pre-assembled kits. Procedure-ready trays reduce touches,

standardize components, and shrink waste, improving sterility assurance and speed under staffing constraints.

Specialist teams drive outcomes. Vascular access nurses/teams, credentialing, and simulation training improve success metrics, enable difficult access pathways, and support enterprise protocols.

Data and documentation matter. Electronic prompts, device registries, and audit dashboards track dwell, complications, and bundle compliance, informing quality improvement and contracting.

Home and ambulatory shift. Growth in outpatient oncology and home infusion favors ports and durable midlines/PICCs with low maintenance burden and clear patient education materials.

## Vascular Access Procedures Market Regional Analysis

### North America

Health systems embed vascular access teams and ultrasound-first policies, emphasizing bundle compliance, tip confirmation without fluoroscopy, and integrated kits to trim OR/CV-lab dependency. Ambulatory infusion and home programs expand ports and midline use, prioritizing low-maintenance securement and patient-friendly dressings. Value committees assess total-episode metrics - time to therapy, complication-related returns, and supply standardization - favoring vendors with education, data tools, and reliable logistics. Sustainability and waste reduction increasingly influence kit design and packaging.

### Europe

Guideline discipline and infection-prevention frameworks drive consistent use of maximal barriers, CHG dressings, and sutureless securement. Hospitals favor ultrasound-guided insertions, bedside ECG tip confirmation, and pre-connected closed systems to minimize contamination. Tendering emphasizes staff training, device traceability, and environmental criteria. Expansion of day-case oncology and ERAS pathways increases demand for ports and midlines with clear maintenance protocols across hospital-community interfaces.

## Asia-Pacific

Rapid hospital expansion and rising oncology/renal caseloads drive volume in peripheral and central access, with leading centers adopting ultrasound-first and specialist teams. Cost-conscious markets prioritize durable securement and standardized kits to reduce complications and resticks. Japan, Korea, and Australia scale ECG tip confirmation and closed systems; Southeast Asia and India emphasize training, vein preservation algorithms, and robust documentation to lift outcomes across diverse care settings.

## Middle East & Africa

Investments in tertiary centers and oncology programs accelerate adoption of bundle-compliant, ultrasound-guided access. Procurement prioritizes integrated kits, CHG dressings, and sutureless securement to reduce infection and dislodgement under staffing variability. Education partnerships build specialist capability, while device choices favor durability and simple maintenance for longer dwell in resource-constrained settings. Growing homecare pilots begin to standardize port care and patient instruction.

## South & Central America

Urban networks adopt vascular access teams and standardized pathways to reduce complications and length of stay. Hospitals prioritize ultrasound guidance, closed needleless systems, and ECG tip confirmation where available. Budget stewardship encourages integrated kits and securement solutions that cut reinsertions. Training and documentation initiatives strengthen bundle adherence, while outpatient oncology growth increases demand for ports and reliable mid-term devices supported by clear patient education and follow-up protocols.

## Vascular Access Procedures Market Segmentation

### By Type

Arteriovenous Fistulas

Arteriovenous Grafts

Central Venous Catheters

Others

By Application

Chemotherapy

Hemodialysis

Blood Transfusions

Intravenous Antibiotic Treatment

Others

Key Market players

BD (Becton, Dickinson and Company), B. Braun Melsungen, Teleflex, Terumo Corporation, Cook Medical, AngioDynamics, ICU Medical (Smiths Medical), Vygon, Merit Medical Systems, W. L. Gore & Associates, Fresenius Medical Care, Nipro Corporation, Medtronic, Baxter International, Argon Medical Devices

Vascular Access Procedures Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modelling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends. Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behaviour are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Vascular Access Procedures Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks,

profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption. Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Vascular Access Procedures market data and outlook to 2034

United States

Canada

Mexico

Europe — Vascular Access Procedures market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Vascular Access Procedures market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Vascular Access Procedures market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Vascular Access Procedures market data and outlook to 2034

Brazil

Argentina

Chile

Peru

\* We can include data and analysis of additional countries on demand.

## Research Methodology

This study combines primary inputs from industry experts across the Vascular Access Procedures value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Vascular Access Procedures industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Vascular Access Procedures Market Report

Global Vascular Access Procedures market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Vascular Access Procedures trade, costs, and supply chains

Vascular Access Procedures market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Vascular Access Procedures market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Vascular Access Procedures market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Vascular Access Procedures supply chain analysis

Vascular Access Procedures trade analysis, Vascular Access Procedures market price analysis, and Vascular Access Procedures supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Vascular Access Procedures market news and developments

## Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

\* The updated report will be delivered within 3 working days

## Contents

### 1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

### 2. GLOBAL VASCULAR ACCESS PROCEDURES MARKET SUMMARY, 2025

- 2.1 Vascular Access Procedures Industry Overview
  - 2.1.1 Global Vascular Access Procedures Market Revenues (In US\$ billion)
- 2.2 Vascular Access Procedures Market Scope
- 2.3 Research Methodology

### 3. VASCULAR ACCESS PROCEDURES MARKET INSIGHTS, 2024-2034

- 3.1 Vascular Access Procedures Market Drivers
- 3.2 Vascular Access Procedures Market Restraints
- 3.3 Vascular Access Procedures Market Opportunities
- 3.4 Vascular Access Procedures Market Challenges
- 3.5 Tariff Impact on Global Vascular Access Procedures Supply Chain Patterns

### 4. VASCULAR ACCESS PROCEDURES MARKET ANALYTICS

- 4.1 Vascular Access Procedures Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Vascular Access Procedures Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Vascular Access Procedures Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Vascular Access Procedures Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Vascular Access Procedures Market
  - 4.5.1 Vascular Access Procedures Industry Attractiveness Index, 2025
  - 4.5.2 Vascular Access Procedures Supplier Intelligence
  - 4.5.3 Vascular Access Procedures Buyer Intelligence
  - 4.5.4 Vascular Access Procedures Competition Intelligence
  - 4.5.5 Vascular Access Procedures Product Alternatives and Substitutes Intelligence
  - 4.5.6 Vascular Access Procedures Market Entry Intelligence

## **5. GLOBAL VASCULAR ACCESS PROCEDURES MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

5.1 World Vascular Access Procedures Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Vascular Access Procedures Sales Outlook and CAGR Growth By Type, 2024- 2034 (\$ billion)

5.2 Global Vascular Access Procedures Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)

5.3 Global Vascular Access Procedures Sales Outlook and CAGR Growth By Segmentation<sup>3</sup>, 2024- 2034 (\$ billion)

5.4 Global Vascular Access Procedures Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

## **6. ASIA PACIFIC VASCULAR ACCESS PROCEDURES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

6.1 Asia Pacific Vascular Access Procedures Market Insights, 2025

6.2 Asia Pacific Vascular Access Procedures Market Revenue Forecast By Type, 2024-2034 (USD billion)

6.3 Asia Pacific Vascular Access Procedures Market Revenue Forecast By Application, 2024- 2034 (USD billion)

6.4 Asia Pacific Vascular Access Procedures Market Revenue Forecast By Segmentation<sup>3</sup>, 2024- 2034 (USD billion)

6.5 Asia Pacific Vascular Access Procedures Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.5.1 China Vascular Access Procedures Market Size, Opportunities, Growth 2024-2034

6.5.2 India Vascular Access Procedures Market Size, Opportunities, Growth 2024-2034

6.5.3 Japan Vascular Access Procedures Market Size, Opportunities, Growth 2024-2034

6.5.4 Australia Vascular Access Procedures Market Size, Opportunities, Growth 2024-2034

## **7. EUROPE VASCULAR ACCESS PROCEDURES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

- 7.1 Europe Vascular Access Procedures Market Key Findings, 2025
- 7.2 Europe Vascular Access Procedures Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)
- 7.3 Europe Vascular Access Procedures Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)
- 7.4 Europe Vascular Access Procedures Market Size and Percentage Breakdown By Segmentation<sup>3</sup>, 2024- 2034 (USD billion)
- 7.5 Europe Vascular Access Procedures Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)
  - 7.5.1 Germany Vascular Access Procedures Market Size, Trends, Growth Outlook to 2034
  - 7.5.2 United Kingdom Vascular Access Procedures Market Size, Trends, Growth Outlook to 2034
  - 7.5.2 France Vascular Access Procedures Market Size, Trends, Growth Outlook to 2034
  - 7.5.2 Italy Vascular Access Procedures Market Size, Trends, Growth Outlook to 2034
  - 7.5.2 Spain Vascular Access Procedures Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA VASCULAR ACCESS PROCEDURES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

- 8.1 North America Snapshot, 2025
- 8.2 North America Vascular Access Procedures Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)
- 8.3 North America Vascular Access Procedures Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)
- 8.4 North America Vascular Access Procedures Market Analysis and Outlook By Segmentation<sup>3</sup>, 2024- 2034 (\$ billion)
- 8.5 North America Vascular Access Procedures Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)
  - 8.5.1 United States Vascular Access Procedures Market Size, Share, Growth Trends and Forecast, 2024- 2034
  - 8.5.1 Canada Vascular Access Procedures Market Size, Share, Growth Trends and Forecast, 2024- 2034
  - 8.5.1 Mexico Vascular Access Procedures Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA VASCULAR ACCESS PROCEDURES**

## **MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Vascular Access Procedures Market Data, 2025

9.2 Latin America Vascular Access Procedures Market Future By Type, 2024- 2034 (\$ billion)

9.3 Latin America Vascular Access Procedures Market Future By Application, 2024- 2034 (\$ billion)

9.4 Latin America Vascular Access Procedures Market Future By Segmentation<sup>3</sup>, 2024- 2034 (\$ billion)

9.5 Latin America Vascular Access Procedures Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Vascular Access Procedures Market Size, Share and Opportunities to 2034

9.5.2 Argentina Vascular Access Procedures Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA VASCULAR ACCESS PROCEDURES MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Vascular Access Procedures Market Statistics By Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Vascular Access Procedures Market Statistics By Application, 2024- 2034 (USD billion)

10.4 Middle East Africa Vascular Access Procedures Market Statistics By Segmentation<sup>3</sup>, 2024- 2034 (USD billion)

10.5 Middle East Africa Vascular Access Procedures Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Vascular Access Procedures Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Vascular Access Procedures Market Value, Trends, Growth Forecasts to 2034

## **11. VASCULAR ACCESS PROCEDURES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Vascular Access Procedures Industry

11.2 Vascular Access Procedures Business Overview

11.3 Vascular Access Procedures Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Vascular Access Procedures Market Volume (Tons)

12.1 Global Vascular Access Procedures Trade and Price Analysis

12.2 Vascular Access Procedures Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Vascular Access Procedures Industry Report Sources and

MethodologyOGAMV25R1039

## I would like to order

Product name: Vascular Access Procedures Market Outlook 2026-2034: Market Share, and Growth Analysis By Type (Arteriovenous Fistulas, Arteriovenous Grafts, Central Venous Catheters, Others), By Application (Chemotherapy, Hemodialysis, Blood Transfusions, Intravenous Antibiotic Treatment, Others)

Product link: <https://marketpublishers.com/r/V3E7F51FD79FEN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/V3E7F51FD79FEN.html>