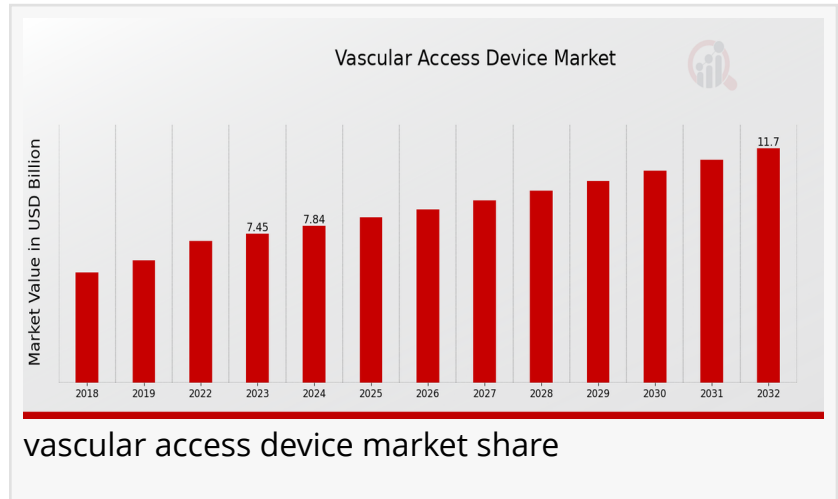


Vascular Access Device Market Forecast to Achieve USD 2.10 Billion by 2032, Registering 5.33% CAGR

Vascular Access Device Market Research Report By Product Type (Catheters, Needles, Ports, IV Cannulas), By Material- Polyurethane, Polyethylene, Teflon, Silicone

NEW YORK,, NY, UNITED STATES,
August 6, 2025 /EINPresswire.com/ --
Vascular Access Device Market
Overview



The [vascular access device market share](#) has witnessed substantial growth in recent years, driven by rising global healthcare demands and increasing prevalence of chronic diseases requiring long-term intravenous treatment.

Vascular access devices are essential medical tools used to gain access to the bloodstream for the delivery of medications, fluids, blood products, and for collecting blood samples. These devices have become a cornerstone in patient care, especially in critical care, oncology, dialysis, and surgical settings. As hospitals, clinics, and outpatient settings increasingly depend on efficient intravenous therapies, the demand for reliable vascular access solutions is surging worldwide. Vascular Access Device Industry is expected to grow from 1.39 (USD Billion) in 2024 to 2.10 (USD Billion) by 2032. The Vascular Access Device Market CAGR (growth rate) is expected to be around 5.33% during the forecast period (2024 - 2032).

“

Emerging trends in the market include the adoption of antimicrobial materials, the development of wireless and implantable devices, and the integration of artificial intelligence and data analytics.”

*Market Research Future
(MRFR)*

The market is broadly segmented into peripheral, central, and implantable vascular access devices. Among these,

peripheral devices such as peripheral intravenous catheters are most commonly used for short-term access and account for a large share of the market. Central vascular access devices, which include peripherally inserted central catheters (PICCs), central venous catheters (CVCs), and

tunneled catheters, are gaining popularity due to their use in long-term treatment scenarios such as chemotherapy, parenteral nutrition, and extended antibiotic therapy. Implantable ports, which are inserted beneath the skin, are also rising in demand due to their reduced risk of infection and ease of access for long-term patients. Technological advancements in catheter materials, insertion techniques, and infection control strategies have further propelled the adoption of these devices across healthcare systems.

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Recent industry developments have focused on patient safety, with innovations in antimicrobial coatings, needle-free connectors, and ultrasound-guided insertion techniques. Companies are also investing in AI-enabled systems for catheter placement to improve first-attempt success rates and reduce complications. Moreover, ongoing research and development initiatives are emphasizing biocompatible and eco-friendly materials to address environmental concerns associated with medical waste. The industry has also seen increased regulatory approvals for new devices, supporting product commercialization in global markets. The COVID-19 pandemic had a mixed impact on the vascular access device market, with elective procedures being delayed initially, but the urgent need for critical care devices during hospitalization drove temporary spikes in demand, especially for central venous catheters and PICCs.

Key Companies in the Vascular Access Device Market Include:

- ☐Smiths Medical
- ☐Becton, Dickinson and Company
- ☐Capsa Healthcare
- ☐Nipro Corporation
- ☐Medtronic
- ☐AvaSys Medical, Inc.
- ☐R. Bard
- ☐Cook Medical
- ☐BD
- ☐AngioDynamics, Inc
- ☐Sky Medical Europe BV
- ☐Teleflex Incorporated
- ☐Merit Medical
- ☐Terumo Corporation
- ☐Boston Scientific Corporation

Several factors are driving the [growth of vascular access device market](#). Rising incidence of chronic diseases such as cancer, diabetes, and kidney failure necessitates long-term intravenous therapy and dialysis, fueling demand for reliable vascular access solutions. Additionally, the increasing number of hospitalizations, surgical interventions, and intensive care unit admissions

contributes to greater adoption of these devices. The aging global population is another key driver, as elderly individuals are more prone to chronic illnesses requiring continuous monitoring and intravenous drug administration. Moreover, the shift toward home healthcare and outpatient services, especially in developed economies, supports the use of implantable and user-friendly vascular access systems. The market is also being shaped by government initiatives aimed at improving infection control, reducing catheter-related bloodstream infections (CRBSIs), and enhancing patient safety, thereby influencing product standards and procurement policies in healthcare institutions.

Regionally, [North America vascular access device market](#) leads, driven by advanced healthcare infrastructure, high awareness of patient safety, and strong presence of leading market players. The United States holds the largest share in the region, supported by increasing adoption of technologically advanced devices, favorable reimbursement policies, and rising demand for minimally invasive procedures. Europe follows closely, with countries like Germany, the United Kingdom, and France investing in healthcare digitization and infection control. Asia Pacific is witnessing rapid growth, attributed to improving healthcare systems in emerging economies like China, India, and Southeast Asia, rising chronic disease burden, and government support for modernizing medical services. The region's increasing focus on medical tourism and growing availability of trained healthcare professionals are further bolstering market expansion. Latin America and the Middle East & Africa are gradually catching up, with rising healthcare investments and international collaborations enhancing product availability and clinical outcomes.

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Despite its promising outlook, the vascular access device market faces certain challenges. Complications such as infections, thrombosis, and device failure continue to pose risks, driving the need for stringent training and infection prevention protocols. High costs associated with advanced devices and limited access in low-income settings can hinder market growth, particularly in rural and underserved regions. However, ongoing efforts by healthcare organizations and governments to improve access to quality care and train healthcare professionals are expected to mitigate these challenges over time.

Looking ahead, the future of the vascular access device market appears highly optimistic. Advancements in catheter design, smart monitoring technologies, and the integration of data analytics in patient care are expected to revolutionize the field. The rise of wearable infusion systems and remote monitoring tools will further enhance the scope of outpatient vascular access management. Additionally, the industry's growing emphasis on sustainability, with a focus on biodegradable materials and waste reduction strategies, will align with broader healthcare and environmental goals. As healthcare systems continue to evolve, the need for safe, efficient, and long-term vascular access solutions will remain critical, ensuring sustained growth of this vital segment of the medical device industry.

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