

Peripherally Inserted Central Catheter Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Peripherally Inserted Central Catheter Trends and Forecast

The future of the global peripherally inserted central catheter market looks promising with opportunities in the hospital, cancer research institute, long-term care center, independent infusion center, ambulatory surgical center, and home care setting markets. The global peripherally inserted central catheter market is expected to reach an estimated \$1.1 billion by 2030 with a CAGR of 3.5% from 2024 to 2030. The major drivers for this market are the increasing demand for quick and convenient drug delivery systems, the growing number of hospitalizations worldwide, and the rising prevalence of infectious diseases.

Lucintel forecasts that, within the application category, the long-term IV infusion segment is expected to witness the highest growth over the forecast period.

Within the end-use category, hospitals will remain the largest segment over the forecast period.

In terms of regions, North America will remain the largest region over the forecast period.

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Emerging Trends in the Peripherally Inserted Central Catheter Market

Emerging trends in the peripherally inserted central catheter (PICC) market are shaping its future by introducing innovations that enhance functionality, safety, and patient care. These trends are driving the evolution of PICC technologies and applications.

Antimicrobial Coatings: The development of antimicrobial coatings for PICCs is reducing the risk of infection. These coatings help prevent catheter-related bloodstream infections (CRBSIs) by inhibiting bacterial growth on the catheter surface.

Integration of Imaging Technology: The incorporation of imaging technology into PICC systems allows for real-time monitoring and precise catheter placement. This integration improves placement accuracy and reduces the risk of complications during insertion.

Bioresorbable Materials: The use of bioresorbable materials in PICCs is advancing, aiming to eliminate the need for catheter removal. These materials are designed to naturally degrade within the body, reducing the risk of long-term complications.

Enhanced Patient Comfort: New PICC designs focus on enhancing patient comfort by using flexible materials and ergonomic designs. These improvements aim to reduce patient discomfort and improve overall satisfaction during and after catheter insertion.

Cost-Effective Solutions: There is a trend towards developing cost-effective PICC solutions to make the technology more accessible, especially in emerging markets. Innovations in manufacturing and materials are contributing to lower costs without compromising quality.

These trends are driving significant changes in the PICC market, focusing on improving safety, comfort, and accessibility. Innovations in antimicrobial coatings, imaging technology, and bioresorbable materials are reshaping how PICCs are used and managed in clinical settings.

Recent Developments in the Peripherally Inserted Central Catheter Market

Recent key developments in the peripherally inserted central catheter (PICC) market are driving technological advancements and improving clinical outcomes. These developments are focused on enhancing safety, functionality, and patient experience.

Advanced Antimicrobial Coatings: New antimicrobial coatings are being integrated into PICCs to combat infections. These coatings effectively reduce the risk of catheter-related infections by preventing bacterial growth on the catheter surface.

Improved Insertion Tools: The development of advanced insertion tools, including automated and guided systems, is enhancing the accuracy of PICC placement. These tools reduce the risk of complications and improve procedural efficiency.

Flexible and Durable Materials: Innovations in flexible and durable materials are improving PICC designs. These materials enhance patient comfort and catheter longevity while reducing the risk of catheter-related complications.

Enhanced Imaging Integration: The integration of imaging technology into PICC systems allows for real-time monitoring during insertion. This advancement improves catheter placement accuracy and reduces the likelihood of misplacement.

Cost-Effective Production Methods: Advances in manufacturing processes are making PICCs more affordable. These cost-effective methods are helping to increase the accessibility and adoption of PICCs in various healthcare settings.

These developments are advancing the PICC market by improving technology, patient comfort, and cost-effectiveness. Innovations in antimicrobial coatings, insertion tools, and materials are enhancing the safety and efficiency of PICC systems.

Strategic Growth Opportunities for Peripherally Inserted Central Catheter Market

The peripherally inserted central catheter (PICC) market presents several strategic growth opportunities across various applications. These opportunities are driven by advancements in technology and increasing healthcare needs.

Expanding Hospital Networks: Growth in hospital networks and healthcare

facilities is increasing the demand for PICCs. Expanding into new and underserved regions offers opportunities for market penetration and increased adoption of PICCs.

Development of Pediatric and Neonatal PICCs: There is a growing demand for specialized PICCs designed for pediatric and neonatal patients. Developing smaller and more adaptable PICCs can address the specific needs of these patient groups.

Integration with Telemedicine: Integrating PICCs with telemedicine platforms allows for remote monitoring and management of catheter-related issues. This integration enhances patient care and provides new opportunities for remote patient management.

Focus on Chronic Disease Management: The rise in chronic diseases such as cancer and diabetes is driving demand for long-term catheter solutions. Developing PICCs with features tailored for chronic disease management can capture a significant market segment.

Innovations in Home Healthcare: The shift towards home healthcare is creating opportunities for PICC solutions that are safe and easy to manage outside of traditional healthcare settings. Innovations in home-friendly PICCs can drive growth in this segment.

These strategic growth opportunities highlight the potential for expansion in various applications of PICCs. By targeting specific patient groups, integrating with new technologies, and focusing on emerging healthcare trends, companies can capture new market segments and drive growth.

Peripherally Inserted Central Catheter Market Driver and Challenges

The peripherally inserted central catheter (PICC) market is influenced by various drivers and challenges, including technological advancements, economic factors, and regulatory issues. Understanding these factors is crucial for market success.

The factors responsible for driving the peripherally inserted central catheter market include:

1. **Technological Innovations:** Advances in PICC technology, including improved materials and insertion techniques, drive market growth by enhancing safety and performance. Innovations such as antimicrobial coatings and advanced imaging integration are key drivers.
2. **Rising Demand for Minimally Invasive Procedures:** Increasing preference for minimally invasive procedures is boosting the demand for PICCs. PICCs offer a less invasive alternative to traditional central venous catheters, contributing to market expansion.
3. **Growing Healthcare Infrastructure:** The expansion of healthcare infrastructure, especially in emerging markets, is increasing the adoption of PICCs. Improved access to healthcare facilities drives demand for advanced catheter solutions.
4. **Focus on Patient Safety:** Enhanced focus on patient safety and infection control is driving the adoption of PICCs with advanced safety features. This focus includes the use of antimicrobial coatings and improved insertion techniques.
5. **Increasing Chronic Disease Prevalence:** The rise in chronic diseases, such as cancer and diabetes, is increasing the need for long-term catheter solutions. PICCs are increasingly used for managing long-term treatments, contributing to market growth.

Challenges in the peripherally inserted central catheter market are:

1. **Regulatory Compliance:** Navigating complex regulatory requirements for PICC devices can be challenging. Compliance with various standards and regulations across different regions requires significant resources and expertise.
2. **High Production Costs:** The production of advanced PICC devices can be costly, impacting pricing and market accessibility. High costs may limit the adoption of new technologies, especially in cost-sensitive markets.
3. **Risk of Complications:** Despite advancements, PICCs still carry risks of complications such as infections and thrombosis. Managing these risks requires ongoing innovation and rigorous quality control.

The PICC market is shaped by drivers such as technological innovations and rising demand for minimally invasive procedures while facing challenges related to regulatory compliance, production costs, and market competition. Addressing these factors is

crucial for navigating the market and achieving growth.

List of Peripherally Inserted Central Catheter Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. Through these strategies peripherally inserted central catheter companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the peripherally inserted central catheter companies profiled in this report include-

Vygon

Becton, Dickinson and Company

Cardinal Health

ICU Medical

Kimal

Poly Medicure

Teleflex

AngioDynamics

B. Braun Medical

Haolang Technology

Peripherally Inserted Central Catheter by Segment

The study includes a forecast for the global peripherally inserted central catheter by product type, lumen, application, end use, and region.

Peripherally Inserted Central Catheter Market by Product Type [Analysis by Value from

2018 to 2030]:

Conventional PICC

Power Injected PICC

Neonatal PICC

Peripherally Inserted Central Catheter Market by Lumen [Analysis by Value from 2018 to 2030]:

Single Lumen

Double Lumen

Multiple Lumen

Peripherally Inserted Central Catheter Market by Application [Analysis by Value from 2018 to 2030]:

Chemotherapy

Long-term IV Infusion

Parenteral Nutrition

Blood Transfusion

Difficult Intravenous Access

Others

Peripherally Inserted Central Catheter Market by End Use [Analysis by Value from 2018 to 2030]:

Hospitals

Cancer Research Institutes

Long Term Care Centers

Independent Infusion Centers

Ambulatory Surgical Center

Home Care Settings

Others

Peripherally Inserted Central Catheter Market by Region [Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

Country Wise Outlook for the Peripherally Inserted Central Catheter Market

Major players in the market are expanding their operations and forming strategic partnerships to strengthen their positions. The following highlights recent developments by major peripherally inserted central catheter producers in key regions: the USA, China, India, Japan, and Germany.

United States: In the U.S., new PICC designs are incorporating advanced materials to reduce complications and improve patient comfort. Innovations include antimicrobial coatings and bioresorbable materials, aimed at minimizing infection risks and enhancing catheter longevity.

China: China has been expanding its PICC manufacturing capabilities, focusing

on improving catheter quality and affordability. Recent developments include advanced manufacturing techniques that enhance the precision and performance of PICCs, aligning with the growing healthcare needs in the country.

Germany: Germany is leading advancements in PICC technology with a focus on patient safety and ease of use. Innovations such as integrated imaging systems and automated insertion tools are being introduced to enhance placement accuracy and reduce procedural complications.

India: In India, the emphasis is on making PICC technology more accessible and cost-effective. Recent developments include the introduction of lower-cost PICC lines and enhanced training programs for healthcare professionals to improve insertion techniques and patient outcomes.

Japan: Japan is advancing PICC technology with a focus on minimizing complications and improving patient comfort. New developments include flexible, high-strength materials and advanced insertion techniques designed to reduce the risk of catheter-related complications.

Features of the Global Peripherally Inserted Central Catheter Market

Market Size Estimates: Peripherally inserted central catheter market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecasts (2024 to 2030) by various segments and regions.

Segmentation Analysis: Peripherally inserted central catheter market size by various segments, such as by product type, lumen, application, end use, and region in terms of value (\$B).

Regional Analysis: Peripherally inserted central catheter market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different product types, lumens, applications, end uses, and regions for the peripherally inserted central catheter market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the peripherally inserted central catheter market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

If you are looking to expand your business in this or adjacent markets, then contact us. We have done hundreds of strategic consulting projects in market entry, opportunity screening, due diligence, supply chain analysis, M & A, and more.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the peripherally inserted central catheter market by product type (conventional PICC, power injected PICC, and neonatal PICC), lumen (single lumen, double lumen, and multiple lumen), application (chemotherapy, long-term IV infusion, parenteral nutrition, blood transfusion, difficult intravenous access, and others), end use (hospitals, cancer research institutes, long term care centers, independent infusion centers, ambulatory surgical center, home care settings, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

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