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Medical Device Third-party Logistics Market Size, Share and Growth Outlook 2026: By Service Type (Transportation, Warehousing and Storage, Inventory Management, Packaging and Labelling, Others), By Supply Chain, By Industry, Companies to 2034.

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Abstracts

The global Medical Device Third-party Logistics Market size is forecast to increase from $33.27 Billion in 2026 to $67.17 Billion in 2034 at a CAGR of 9.18% between 2026 and 2034.

The Medical Device Third-party Logistics market report provides detailed analysis and outlook of Medical Device Third-party Logistics segments including By Service Type (Transportation, Warehousing and Storage, Inventory Management, Packaging and Labelling, Others), By Supply Chain (Cold Chain, Non-cold Chain), By Industry (Class I Medical Devices, Class II Medical Devices, Class III Medical Devices) across global and regional markets. Further, analysis and outlook across 21 countries in North America, Europe, Asia Pacific, Middle East, Africa, and South America are provided in the study.

Medical Device Third-Party Logistics (3PL) Industry Overview

Technology-Driven Logistics Models Transform Medical Device Distribution

The medical device third-party logistics industry is undergoing a strategic transformation as manufacturers increasingly rely on specialized logistics providers to manage complex distribution networks, regulatory compliance requirements, and high-value healthcare products. Traditional transportation and warehousing services are evolving into integrated healthcare logistics platforms that combine real-time visibility, predictive analytics, compliance management, and technical support capabilities. Growing

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demand for temperature-sensitive medical devices, connected healthcare technologies, and precision diagnostics is encouraging 3PL providers to invest in digital infrastructure, automated fulfillment systems, and advanced monitoring solutions. These developments are elevating logistics from an operational function to a critical component of medical device commercialization and customer service strategies.

Artificial Intelligence and Automation Enhance Supply Chain Performance

Healthcare logistics providers are increasingly differentiating themselves through technology-enabled service offerings. Industry developments indicate growing adoption of artificial intelligence for predictive route optimization, temperature analytics, and demand forecasting across medical device supply chains. At the same time, Internet of Things technologies are enabling continuous monitoring of cold-chain medical devices and biologics through connected sensor networks. Major logistics operators are also deploying automated storage and retrieval systems to improve warehouse efficiency and inventory accuracy. Blockchain-enabled traceability platforms are gaining attention as manufacturers seek enhanced product tracking and compliance with regulatory requirements such as the U.S. Drug Supply Chain Security Act. These technologies are improving transparency, reducing operational risk, and strengthening supply chain resilience.

White-Glove Services Become a Key Competitive Differentiator

The increasing complexity of medical equipment is driving demand for highly specialized logistics capabilities. A healthcare logistics growth assessment published by Lincoln International and L.E.K. Consulting identified medical device and equipment transportation as a major expansion opportunity for 3PL providers. The report highlighted growing requirements for white-glove delivery services, equipment installation support, technical handling expertise, and specialized transportation protocols for advanced diagnostic and surgical systems. Because medical device shipments often involve substantial financial value and direct implications for patient care, logistics performance is increasingly viewed as a strategic business priority rather than a routine operational activity. This shift is creating opportunities for providers capable of delivering high-touch, technically sophisticated service models.

Regulatory Compliance Drives Partner Selection Strategies

Medical device manufacturers are placing increasing emphasis on compliance-focused logistics partnerships. Industry developments indicate growing demand for 3PL providers that maintain FDA-compliant operations, HIPAA-aligned data management practices, and Good Distribution Practice standards. Healthcare companies are prioritizing partners capable of supporting temperature-controlled storage, lot-level serialization tracking, validated handling procedures, and compliant returns management processes. Dedicated regulatory compliance teams are becoming a key differentiator among healthcare logistics providers as scrutiny surrounding medical device distribution continues to increase. These requirements are reinforcing the importance of specialized healthcare logistics expertise and encouraging greater investment in compliance-focused operational infrastructure.

Medical Device Third-party Logistics Market Trends, Growth Drivers, Competitive Landscape, and Future Opportunities

The global Medical Device Third-party Logistics market is witnessing increasing investments in innovation, product development, digital transformation, artificial intelligence integration, healthcare infrastructure expansion, and strategic partnerships across developed and emerging economies. Key Companies in the industry include- DHL International GmbH, United Parcel Service of America, Inc, FedEx Corporation, Cencora, Inc., Cardinal Health, Kuehne + Nagel International AG, CEVA Logistics, SF Express, DB Schenker, Plexus Corp.. The Medical Device Third-party Logistics market is expected to remain one of the most closely watched segments in the global healthcare industry, with companies focusing on niche market segments. As healthcare systems across the US, Europe, Asia-Pacific, Latin America, and Middle East & Africa continue to prioritize efficiency, access, and innovation, the Medical Device Third-party Logistics industry outlook remains shaped by rising healthcare expenditure, demographic change, digital transformation, and product innovation.

The report provides detailed market analysis including-

- Growth Medical Device Third-party Logistics Market size outlook across 3 scenarios- High growth, reference, and Low growth cases

- Market Trends, Drivers, Potential Opportunities, and Challenges faced by Medical Device Third-party Logistics companies

- Porter’s Five forces analysis- Bargaining power of buyers and sellers, Threat of Substitutes and new entrants, and Intensity of competitive rivalry

- Detailed SWOT Analysis of global and regional Medical Device Third-party

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Logistics markets

Competitive analysis including business description, product analysis, and financial profiles

Key country specific analysis detailing key factors shaping the short-term and long-term outlook

Recent industry developments and news including mergers, acquisitions, product launches, expansions, and company announcements

Medical Device Third-party Logistics Market Competitive Benchmarking and Company Analysis

Leading companies in Medical Device Third-party Logistics industry include- DHL International GmbH, United Parcel Service of America, Inc, FedEx Corporation, Cencora, Inc., Cardinal Health, Kuehne + Nagel International AG, CEVA Logistics, SF Express, DB Schenker, Plexus Corp.. The Medical Device Third-party Logistics market remains moderately to highly fragmented, with competition expected to intensify as companies accelerate investments in innovation, geographic expansion, strategic partnerships, and portfolio diversification through 2034. In developed markets such as the United States, Germany, France, the United Kingdom, and Canada, competition is increasingly centered on innovation, reimbursement positioning, and value-based healthcare solutions. Meanwhile, emerging markets including China, India, Brazil, and countries across the Middle East and Africa continue to present significant opportunities for expansion due to rising healthcare expenditure, growing patient populations, and increasing access to healthcare services.

What to expect in US Medical Device Third-party Logistics Markets in 2026 and beyond- Market Size, Share, Growth Rate, and Forecast to 2034

The US healthcare expenditure is forecast to reach $8.2 Trillion in 2034 from $5.5 Trillion in 2026 based on the National Health Expenditure Accounts (NHEA) data. With an aging population, rising chronic disease burden, and increasing migration toward minimally invasive and outpatient care, the Medical Device Third-party Logistics market remains one of the strongest-performing segments in the country.

The US Medical Device Third-party Logistics Companies are opting new business models, optimized pricing models, industry partnerships, and AI-enabled back end transformations to enhance efficiency and cost management. The US Medical Device Third-party Logistics market faces successive waves of challenging trends, with strong opportunities across select segments. The CMS plan to implement Medicaid from 2027 is driving states to build eligibility verification systems throughout 2026. Looking ahead to 2034, we anticipate stronger results underpinned by opportunities exist across Medical Device Third-party Logistics industry. On the medical device front, over 7,000 device manufacturers continue to gain from increasing demand from demand for implantable devices, surgical instruments, monitoring equipment, and diagnostic systems.

Canada- Proximity to the US and healthcare similarities to EU5 countries fuel sales of Canadian Medical Device Third-party Logistics markets

Canada's strong Medical Device Third-party Logistics sales performance is underpinned by an aging population and a well-developed healthcare infrastructure. Steady growth in new brand spending in rural and urban locations fuel the long-term prospects of small and medium-sized enterprises across medical, diagnostic, and therapeutic devices. The Canadian Medical Device Third-party Logistics market presents significant opportunities for U.S. exporters of medical devices, with the U.S. being Canada’s largest trading partner for this sector. Potential advantages including specialized materials, advanced manufacturing techniques, and digital technologies support the launch of new products in the country.

Germany Medical Device Third-party Logistics Trends and Perspectives to 2034- Financial sustainability, hospital restructuring, demographic pressures, and digitization of care delivery continue to shape the German healthcare industry.

Germany continues to remain the largest Medical Device Third-party Logistics market in Europe, driven by over €600 Billion healthcare expenditure, €12 Billion medical device R&D expenditure, statutory health insurance system covering 90% German population, nationwide rollout of the electronic patient record (ePA), and large-volume of Medical Device Third-party Logistics population. In particular, Research and development in Germany fuels the commercialization of cutting-edge technologies. Companies across the Germany Medical Device Third-party Logistics industry value chain are focusing on both domestic markets and exports. The country is also driving digital adoption with the Hospital Future Act driving hospitals to upgrade their information systems by 2027. Over the forecast period, aging population, rising healthcare costs, and increasing procedural volumes drive the Medical Device Third-party Logistics market outlook.

France Market Size, Growth Rate, and Forecast Analysis to 2034- Universal healthcare system, high public healthcare expenditure, and strong government support Medical Device Third-party Logistics sales through 2034

France Medical Device Third-party Logistics companies are emphasizing on opportunities for rapid, at-scale innovation to boost profitability over the long-term. The country’s National Health Insurance spending target (ONDAM) estimates 3.7% growth in the country’s healthcare expenditure. Over the forecast period, expenditure control measures, chronic disease management initiatives, workforce reforms, and efforts to improve system efficiency drive the long-term prospects.

The biggest 2026 policy frame is the PLFSS 2026. The law sets the Maladie branch spending target at €271.4 billion for 2026 and fixes the ONDAM at €117.5 billion for city care, €112.8 billion for health establishments, and €18.3 billion for elderly-care establishments and services. France’s market is also being pulled by demographics. INSEE estimates that on 1 January 2026 France had 69.1 million inhabitants, with 22% aged 65 or over. INSEE also reported that 2025 births were 645,000 and deaths were 651,000, producing a negative natural balance of about 6,000 for the first time since the end of the Second World War.

UK Medical Device Third-party Logistics Market Size, Share, and Growth Projections to 2034- Rapid growth driven by new and existing brands across the industry value chain

Small high-need consumer segments remain key priority of Medical Device Third-party Logistics distributors in the UK industry. Continuous launch of new products coupled with high expenditures support the market outlook. The UK Government financing remains the dominant funding source at 81.3% of total healthcare expenditure, or ?280 billion in 2025. According to the ONS, total healthcare spending grew 7.7% nominally and 3.9% in real terms from 2024 to 2025. Similarly, out-of-pocket spending was ?49 billion (14.1%) and voluntary health insurance was ?9.5 billion (2.8%). The market is driven by rapid digital adoption with NHS England’s plan to give more than 500,000 staff access to new AI tools.

China Medical Device Third-party Logistics Market Growth Drivers, Revenue Trends, and Forecast- Medical insurance coverage is rapidly expanding over the past few years

China Medical Device Third-party Logistics market is undergoing a structural shift from hospital-centric care toward a more integrated system emphasizing primary care, outpatient services, and long-term care. Chinese local players are emerging as a strong pillar of Medical Device Third-party Logistics industry, offering opportunities for both competition and partnership. Over the forecast period, new and innovative product launches remain key elements driving market outlook. China's healthcare industry is increasingly centered on expanding healthcare capacity, improving access to advanced treatments, and reducing dependence on imported technologies.

The National Healthcare Security Administration reported that by end-2024, China’s basic medical insurance covered 1.32662 billion people and the coverage rate was 95%. Regional disparities in consumer spending trends continue to become more pronounced in the Chinese Medical Device Third-party Logistics industry. Over the forecast period, demand will keep shifting toward geriatrics, chronic disease management, rehabilitation, long-term care, and outpatient care, while pricing pressure will remain intense in drugs and consumables because reimbursement.

India Medical Device Third-party Logistics Market Landscape: Current Size and Long-Term Growth Outlook - Increased pricing pressures in US market is encouraging domestic vendors to expand across India

Indian Medical Device Third-party Logistics market is witnessing the rapid emergence of an ecosystem that brings together diverse companies across the industry value chain. Further, large-scale healthcare public and private investments and a steady growth in chronic conditions is driving sales of pharmaceuticals and medical devices. Further, non-retail channel is experiencing volume decrease and patients are migrating to the retail. Indian medical device firms are also combining precision engineering with lower labor costs to make world-class diagnostics, robotics, and critical care devices.

Brazil Medical Device Third-party Logistics market remains price-driven, with products domestically manufactured and accessibility offering potential opportunities

Healthcare expenditure in Brazil exceeds 10% of GDP, with the country among the highest healthcare spenders in Latin America. ANS reported 53.2 million medical-plan beneficiaries in December 2025, while IBGE projects a steady rise in older-age cohorts, with people aged 60+ already representing about 23% of the population. The price sensitive market access is broad through the public system, private coverage adds a sizeable premium layer, and reimbursement, procurement, and hospital efficiency remain key buying drivers.

Middle East and Africa Medical Device Third-party Logistics Industry Trends and

Perspectives to 2034

According to the World Bank, the Middle East and North Africa population exceeds 500 million, while Sub-Saharan Africa's population exceeds 1.2 billion, making the broader MEA region one of the fastest-growing healthcare demand centers globally. The GCC countries including Saudi Arabia, United Arab Emirates, Qatar, and Kuwait continue to account for a disproportionately large share of regional healthcare spending. Government-led programs such as Saudi Arabia's Vision 2030 are accelerating investments in hospital infrastructure, private-sector participation, medical technology adoption, and healthcare digitalization. On the other hand, South Africa, Egypt, Nigeria, and Kenya remain key healthcare markets due to their large populations, expanding private healthcare sectors, and growing investments in healthcare delivery systems.

Medical Device Third-party Logistics Market Segmentation

By Service Type

Transportation

Warehousing and Storage

Inventory Management

Packaging and Labelling

Others

By Supply Chain

Cold Chain

Non-cold Chain

By Industry

Class I Medical Devices

Class II Medical Devices

Class III Medical Devices

Leading Companies in Medical Device Third-party Logistics Industry (2026)

DHL International GmbH

United Parcel Service of America, Inc

FedEx Corporation

Cencora, Inc.

Cardinal Health

Kuehne + Nagel International AG

CEVA Logistics

SF Express

DB Schenker

Plexus Corp.

Countries Included

- North America- US, Canada, Mexico
- Europe- Germany, France, UK, Spain, Italy, Nordics, Others
- Asia Pacific- China, India, Japan, South Korea, Australia, Southeast Asia, Others
- Latin America- Brazil, Argentina, Others
- Middle East and Africa- Saudi Arabia, UAE, Other Middle East, South Africa, Other Africa

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