

Clinical Trial Supply & Logistics Market Surges as Pharma Expands Global Trials | CAGR - 7.63% | DataM Intelligence

In-depth analysis of the clinical trial supply & logistics market, with insights into growth drivers, regions, companies, and recent U.S. & Japan news.

AUSTIN, TX, UNITED STATES, May 29, 2025 /EINPresswire.com/ -- [Clinical Trial Supply & Logistics Market](https://datamintelligence.com/sample/clinical-trial-supply-and-logistics-market) was valued at USD 4.03 billion in 2023 and is projected to reach USD 6.74 billion by 2031, growing at a CAGR of 7.63% from 2024 to 2031. With rising investments in pharmaceutical R&D, greater adoption of decentralized trials, and expanded global trials in emerging economies, the sector is forecast to grow robustly.



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The clinical trial supply & logistics market is set to grow from USD 4.03B in 2023 to USD 6.74B by 2031, at a 7.63% CAGR driven by decentralized trials & global R&D expansion.”

DataM Intelligence

The clinical trial supply and logistics market plays a critical role in ensuring the seamless flow of materials needed to conduct clinical research across global locations. As the demand for advanced therapies and personalized medicine rises, managing trial supplies has become increasingly complex, involving temperature-sensitive drugs, time-critical shipments, and stringent compliance protocols. This sector acts as the logistical backbone of drug development, ensuring investigational products reach research sites intact, on time, and under the required

conditions.

Several factors are contributing to this growth:

Increasing complexity of clinical trials, especially in oncology and rare diseases.

Growth in biologics and temperature-sensitive therapies.

Shift towards patient-centric trial designs like virtual and hybrid trials.

Expansion of trial activities in Asia-Pacific and Latin America.

Regional Outlook

North America

North America continues to lead the clinical trial supply and logistics market, accounting for more than 35% of the global market share. The U.S., in particular, benefits from strong research infrastructure, advanced regulatory systems, and a high concentration of global pharma and biotech firms. Key logistics providers have regional hubs in the U.S., ensuring compliance with FDA and other local guidelines. The adoption of digital solutions and integrated supply chain technologies is particularly advanced in this region.

Europe

Europe follows closely, driven by strong regulatory frameworks such as the EMA's Clinical Trial Regulation (CTR) and increased cross-border collaboration. Germany, the UK, and France are among the leading contributors. Logistics providers in this region are focused on ensuring GDP (Good Distribution Practice) compliance and sustainability across clinical supply chains.

Asia-Pacific

The Asia-Pacific region is witnessing the fastest growth due to increasing trial activities in countries like India, China, and Japan. Cost-effective patient recruitment, a rising middle-class population, and evolving healthcare infrastructure make this region highly attractive. Japan, in particular, stands out due to its strong pharma sector and high regulatory standards.

Latin America and Middle East & Africa

These regions are emerging as important trial destinations. Challenges such as logistical bottlenecks and regulatory inconsistencies persist, but investments in infrastructure and regional trial networks are improving the outlook.

Key Players in the Market

Parexel International (MA) Corporation

Catalent Inc

Marken

Piramal Pharma Solutions

United Parcel Service of America, Inc

FedEx

Movianto

Packaging Coordinators Inc

Biocair

ICON plc

Latest News: USA

In recent months, the U.S. clinical trial landscape has faced disruptions due to restructuring within the FDA. The agency has laid off approximately 3,500 employees, causing concerns over slower regulatory review times and the potential backlog of new drug applications. As a result, several biotech companies are reconsidering their clinical strategies, with some opting to initiate early-stage trials outside the United States to avoid possible regulatory delays.

Furthermore, the Biden administration has hinted at strengthening digital infrastructure for clinical trials through funding and public-private partnerships. This is expected to boost decentralized and hybrid trials, driving further demand for flexible, tech-enabled logistics networks.

Latest News: Japan

Japan continues to assert itself as a vital player in clinical research and trial logistics. The country is projected to achieve a market value of USD 281.1 million by 2030, growing at a CAGR of 8.5%. Japan's emphasis on personalized medicine, regenerative therapies, and age-related disease research is fostering the need for advanced supply chain capabilities.

The Japanese government has also expanded fast-track pathways for new drug approvals, making the country more attractive for global pharma companies to run trials. Local logistics providers are collaborating with global supply firms to strengthen capabilities in cold chain logistics, digital inventory tracking, and compliance automation.

Emerging Trends Shaping the Market

Decentralized Clinical Trials (DCTs): These trials reduce patient travel and improve enrollment rates but require highly flexible and patient-centric logistics models.

Cold Chain Innovation: With biologics and mRNA therapies becoming mainstream, temperature-controlled logistics and real-time monitoring have become crucial.

Digital Supply Chain Management: Blockchain, AI, and IoT integration are improving visibility and control over clinical shipments.

Sustainability Efforts: Companies are exploring reusable packaging and carbon-neutral shipping options to reduce their environmental impact.

Market Segmentation:

By Service Type: Manufacturing, Comparator Sourcing, Packaging and Labeling, Storage and Distribution, Others.

By Phase: Phase I, Phase II, Phase III, Phase IV) **By Area** (Cardiovascular Diseases, Respiratory Diseases, CNS and Mental Disorders, Oncology, Others.

By End-User: Pharmaceutical and Biotechnology Companies, Contract Research Organizations (CROs), Research Institutes and Academic Medical Centers, Medical Device Companies, Others.

By Region: North America, Europe, South America, Asia Pacific, Middle East, and Africa

Conclusion

The clinical trial supply and logistics market is evolving rapidly to meet the demands of modern, global, and complex trial designs. With growth projected at a 7.63% CAGR over the next decade, companies in this space have significant opportunities to innovate and expand. The U.S. and Japan, while different in regulatory and operational frameworks, both play pivotal roles in shaping global trends. Moving forward, organizations that embrace flexibility, digitalization, and regulatory compliance will be best positioned to lead in this dynamic and critical sector.

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