

U.S. Clinical Trials Supply And Logistics Market Size, Share & Trends Analysis Report By Service (Logistics & Distribution, Storage & Retention, Packaging, Labeling & Blinding), By Phase, By Therapeutic Area, By End-use, And Segment Forecasts, 2025 - 2033

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Abstracts

U.S. Clinical Trials Supply & Logistics Market Summary

The U.S. clinical trials supply and logistics market size was estimated at USD 1.40 billion in 2024 and is projected to reach USD 2.87 billion by 2033, growing at a CAGR of 8.45% from 2025 to 2033. The market has experienced robust growth driven by research and development activities for innovative therapeutic areas such as oncology, rare diseases, and cell and gene therapies.

Besides, the growing complexity of trial designs and regulatory requirements for patient safety and product integrity has led to the need for advanced supply chain models. Further, the adoption of decentralized trials and direct-to-patient delivery solutions has highlighted the significance of flexible and compliant logistics networks. In addition, increased investment from pharmaceutical and biotech companies has enhanced the demand for efficient packaging, temperature-controlled storage, and distribution services essential for timely trial execution.

Moreover, most clinical trials across various phases have been supported by specialized supply solutions such as cold chain distribution, comparator sourcing, clinical packaging, and return management. Smaller batch distributions with tight timelines have been effectively managed for early-phase studies through adaptable supply models, while large-scale Phase III trials benefit from comprehensive global depot networks. Besides, the expanding pipeline of biologics, biosimilars, and advanced

therapies has further boosted the need for ultra-low temperature handling and specialized transportation solutions. As trials broaden in scope and geographical reach, supply and logistics providers have become crucial in ensuring the continuous availability of investigational products. Their role has been vital in fueling market expansion by minimizing delays, ensuring compliance, and enhancing trial efficiency.

Furthermore, established market players are pursuing strategic initiatives, including acquisitions, service expansions, and investments in digital platforms to enhance visibility and tracking. Collaborations with sponsors and contract research organizations (CROs) are being accelerated, focusing on increasing cold chain capacity in the U.S. to address the challenges posed by growing trial complexity. Such factors are expected to drive the market over the estimated timeframe.

U.S. Clinical Trials Supply And Logistics Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. clinical trials supply & logistics market report based on service, phase, therapeutic area, and end-use.

Service Outlook (Revenue, USD Million, 2021 - 2033)

Logistics & Distribution

Storage & Retention

Packaging, Labeling, and Blinding

Manufacturing

Comparator Sourcing

Other Services

Phase Outlook (Revenue, USD Million, 2021 - 2033)

Phase I

Phase II

Phase III

Phase IV

Therapeutic Area Outlook (Revenue, USD Million, 2021 - 2033)

Oncology

Cardiovascular Diseases

Respiratory Diseases

CNS And Mental Disorders

Others

End-use Outlook (Revenue, USD Million, 2021 - 2033)

Pharmaceuticals

Biologicals

Medical Device

This report can be delivered to the clients within 2 Business Days

Contents

CHAPTER 1. RESEARCH METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Segment Definitions
 - 1.2.1. Service
 - 1.2.2. Phase
 - 1.2.3. Therapeutic Area
 - 1.2.4. End Use
- 1.3. Research Methodology
- 1.4. Information Procurement
 - 1.4.1. Purchased Database
 - 1.4.2. GVR's Internal Database
 - 1.4.3. Secondary Sources
 - 1.4.4. Primary Research
- 1.5. Information Or Data Analysis
 - 1.5.1. Data Analysis Models
- 1.6. Market Formulation & Validation
- 1.7. Model Details
 - 1.7.1. Commodity Flow Analysis
 - 1.7.2. Parent Market Analysis
- 1.8. List Of Secondary Sources
- 1.9. List Of Abbreviations
- 1.10. Objectives

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. U.S. CLINICAL TRIALS SUPPLY & LOGISTICS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
 - 3.1.1. Parent Market Outlook
 - 3.1.2. Related/Ancillary Market Outlook
- 3.2. Market Dynamics

- 3.2.1. Market Driver Analysis
 - 3.2.1.1. Technological Advancements in Supply Chain
 - 3.2.1.2. Increasing R&D Investment by Pharmaceutical and Biopharmaceutical Firms
 - 3.2.1.3. Increasing Demand For Outsourcing Services Across The Developing Economies
 - 3.2.1.4. Expansion of Clinical Trial Sites
- 3.2.2. Market Restraint Analysis
 - 3.2.2.1. Stringent Regulation Pertaining to Logistics
 - 3.2.2.2. Counterfeiting of Drugs
- 3.2.3. Market Challenges
- 3.2.4. Market Opportunities
- 3.3. Technology Landscape
- 3.4. Pricing Model Analysis
- 3.5. R&D Spending Analysis (2018-2024)
- 3.6. Clinical Trial Volume Analysis, 2024
- 3.7. Tariff Impact Analysis
- 3.8. Value Chain Analysis
 - 3.8.1. Supply Trends
 - 3.8.2. Demand Trends
- 3.9. Market Analysis Tools
 - 3.9.1. Porter's Five Force Analysis
 - 3.9.2. PESTEL by SWOT Analysis
 - 3.9.3. COVID-19 Impact Analysis

CHAPTER 4. U.S. CLINICAL TRIALS SUPPLY & LOGISTICS MARKET: SERVICE ESTIMATES & TREND ANALYSIS

- 4.1. U.S. Clinical Trials Supply & Logistics Market, By Service: Segment Dashboard
- 4.2. U.S. Clinical Trials Supply & Logistics Market, By Service: Movement Analysis
- 4.3. U.S. Clinical Trials Supply & Logistics Market Estimates & Forecasts, By Service, 2021 - 2033 (USD Million)
- 4.4. Logistics & Distribution
 - 4.4.1. Logistics & Distribution Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- 4.5. Storage & Retention
 - 4.5.1. Storage & Retention Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- 4.6. Packaging, Labeling, and Blinding
 - 4.6.1. Packaging, Labeling, and Blinding Market Estimates and Forecasts, 2021 - 2033

(USD Million)

4.7. Manufacturing

4.7.1. Manufacturing Market Estimates and Forecasts, 2021 - 2033 (USD Million)

4.8. Comparator Sourcing

4.8.1. Comparator Sourcing Market Estimates and Forecasts, 2021 - 2033 (USD Million)

4.9. Other Services

4.9.1. Other Services Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 5. U.S. CLINICAL TRIALS SUPPLY & LOGISTICS MARKET: PHASE ESTIMATES & TREND ANALYSIS

5.1. U.S. Clinical Trials Supply & Logistics Market, By Phase: Segment Dashboard

5.2. U.S. Clinical Trials Supply & Logistics Market, By Phase: Movement Analysis

5.3. U.S. Clinical Trials Supply & Logistics Market Estimates & Forecasts, By Phase, 2021 - 2033 (USD Million)

5.4. Phase I

5.4.1. Phase I Market Estimates and Forecasts, 2021 - 2033 (USD Million)

5.5. Phase II

5.5.1. Phase II Market Estimates and Forecasts, 2021 - 2033 (USD Million)

5.6. Phase III

5.6.1. Phase III Market Estimates and Forecasts, 2021 - 2033 (USD Million)

5.7. Phase IV

5.7.1. Phase IV Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 6. U.S. CLINICAL TRIALS SUPPLY & LOGISTICS MARKET: THERAPEUTIC AREA ESTIMATES & TREND ANALYSIS

6.1. U.S. Clinical Trials Supply & Logistics Market, By Therapeutic Area: Segment Dashboard

6.2. U.S. Clinical Trials Supply & Logistics Market, By Therapeutic Area: Movement Analysis

6.3. U.S. Clinical Trials Supply & Logistics Market Estimates & Forecasts, By Therapeutic Area, 2021 - 2033 (USD Million)

6.4. Oncology

6.4.1. Oncology Market Estimates and Forecasts, 2021 - 2033 (USD Million)

6.5. Cardiovascular Diseases

6.5.1. Cardiovascular Diseases Market Estimates and Forecasts, 2021 - 2033 (USD Million)

6.6. Respiratory Diseases

6.6.1. Respiratory Diseases Market Estimates and Forecasts, 2021 - 2033 (USD Million)

6.7. CNS And Mental Disorders

6.7.1. CNS And Mental Disorders Market Estimates and Forecasts, 2021 - 2033 (USD Million)

6.8. Others

6.8.1. Others Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 7. U.S. CLINICAL TRIALS SUPPLY & LOGISTICS MARKET: END USE ESTIMATES & TREND ANALYSIS

7.1. U.S. Clinical Trials Supply & Logistics Market, By End Use: Segment Dashboard

7.2. U.S. Clinical Trials Supply & Logistics Market, By End Use: Movement Analysis

7.3. U.S. Clinical Trials Supply & Logistics Market Estimates & Forecasts, By End Use, 2021 - 2033 (USD Million)

7.4. Pharmaceuticals

7.4.1. Pharmaceuticals Market Estimates and Forecasts, 2021 - 2033 (USD Million)

7.5. Biologicals

7.5.1. Biologicals Market Estimates and Forecasts, 2021 - 2033 (USD Million)

7.6. Medical Device

7.6.1. Medical Device Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 8. COMPETITIVE LANDSCAPE

8.1. Participant Categorization

8.2. Market Position Analysis, 2024 (Heat Map Analysis)

8.3. Company Profiles

8.3.1. Thermo Fisher Scientific Inc.

8.3.1.1. Company Overview

8.3.1.2. Financial Performance

8.3.1.3. Service Benchmarking

8.3.1.4. Strategic Initiatives

8.3.2. UPS Healthcare

8.3.2.1. Company Overview

8.3.2.2. Financial Performance

8.3.2.3. Service Benchmarking

8.3.2.4. Strategic Initiatives

8.3.3. Piramal Pharma Solutions

- 8.3.3.1. Company Overview
- 8.3.3.2. Financial Performance
- 8.3.3.3. Service Benchmarking
- 8.3.3.4. Strategic Initiatives
- 8.3.4. DHL
 - 8.3.4.1. Company Overview
 - 8.3.4.2. Financial Performance
 - 8.3.4.3. Service Benchmarking
 - 8.3.4.4. Strategic Initiatives
- 8.3.5. Parexel International
 - 8.3.5.1. Company Overview
 - 8.3.5.2. Financial Performance
 - 8.3.5.3. Service Benchmarking
 - 8.3.5.4. Strategic Initiatives
- 8.3.6. Almac Group
 - 8.3.6.1. Company Overview
 - 8.3.6.2. Financial Performance
 - 8.3.6.3. Service Benchmarking
 - 8.3.6.4. Strategic Initiatives
- 8.3.7. UDG Healthcare
 - 8.3.7.1. Company Overview
 - 8.3.7.2. Financial Performance
 - 8.3.7.3. Service Benchmarking
 - 8.3.7.4. Strategic Initiatives
- 8.3.8. FedEx
 - 8.3.8.1. Company Overview
 - 8.3.8.2. Financial Performance
 - 8.3.8.3. Service Benchmarking
 - 8.3.8.4. Strategic Initiatives
- 8.3.9. Catalent, Inc.
 - 8.3.9.1. Company Overview
 - 8.3.9.2. Financial Performance
 - 8.3.9.3. Service Benchmarking
 - 8.3.9.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

Table 1 List of Secondary Sources

Table 2 List of Abbreviations

Table 3 U.S. Clinical Trials Supply & Logistics Market Estimates and Forecasts, by Service, 2021 - 2033 (USD Million)

Table 4 U.S. Clinical Trials Supply & Logistics Market Estimates and Forecasts, by Phase, 2021 - 2033 (USD Million)

Table 5 U.S. Clinical Trials Supply & Logistics Market Estimates and Forecasts, by Therapeutic Area, 2021 - 2033 (USD Million)

Table 6 U.S. Clinical Trials Supply & Logistics Market Estimates and Forecasts, by End Use, 2021 - 2033 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Information procurement
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Market formulation & validation
- Fig. 6 Commodity flow analysis
- Fig. 7 Value-chain-based sizing & forecasting
- Fig. 8 QFD model sizing & forecasting
- Fig. 9 Bottom-up approach
- Fig. 10 Market snapshot
- Fig. 11 Segment snapshot 1
- Fig. 12 Segment snapshot 2
- Fig. 13 Competitive landscape snapshot
- Fig. 14 Parent market outlook, 2024 (USD Billion)
- Fig. 15 Ancillary market outlook, 2024 (USD Billion)
- Fig. 16 U.S. Clinical Trials Supply & Logistics Market Dynamics
- Fig. 17 Porter's five forces analysis
- Fig. 18 PESTEL analysis
- Fig. 19 U.S. Clinical Trials Supply & Logistics Market: Service outlook and key takeaways
- Fig. 20 U.S. Clinical Trials Supply & Logistics Market: Service movement analysis
- Fig. 21 Logistics & Distribution Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 22 Storage & Retention Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 23 Packaging, Labeling, and Blinding Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 24 Manufacturing Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 25 Comparator Sourcing Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 26 Other Service Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 27 U.S. Clinical Trials Supply & Logistics Market: Phase outlook and key takeaways
- Fig. 28 U.S. Clinical Trials Supply & Logistics Market: Phase movement analysis
- Fig. 29 Phase I Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 30 Phase II Market Estimates and Forecasts, 2021 - 2033 (USD Million)

- Fig. 31 Phase III Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 32 Phase IV Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 33 U.S. Clinical Trials Supply & Logistics Market: Therapeutic Area outlook and key takeaways
- Fig. 34 U.S. Clinical Trials Supply & Logistics Market: Therapeutic Area movement analysis
- Fig. 35 Oncology Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 36 Cardiovascular Diseases Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 37 Respiratory Diseases Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 38 CNS And Mental Disorders Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 39 Others Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 40 U.S. Clinical Trials Supply & Logistics Market: End Use outlook and key takeaways
- Fig. 41 U.S. Clinical Trials Supply & Logistics Market: End Use movement analysis
- Fig. 42 Phase I Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 43 Pharmaceuticals Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 44 Biologicals Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 45 Medical Device Market Estimates and Forecasts, 2021 - 2033 (USD Million)
- Fig. 46 Key company categorization
- Fig. 47 Service heat map analysis
- Fig. 48 Strategic framework

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