

Clinical Trial Imaging Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product and Service (Trial Design Consulting Services, Read Analysis Services, Operational Imaging Services, Imaging Software), By Modality (Magnetic Resonance Imaging, Computed Tomography, Ultrasound, Positron Emission Tomography, X-Ray, Echocardiography, Other Modalities), By End-User (Pharmaceutical & Biotechnology Companies, Medical Device Manufacturers, Academic and Government Research Institute), By Region, By Competition, 2020-2030F

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Report description:

Market Overview

The Global Clinical Trial Imaging Market, valued at USD 1.18 Billion in 2024, is projected to experience a CAGR of 7.30% to reach USD 1.80 Billion by 2030. The clinical trial imaging market encompasses the application of medical imaging modalities, such as Magnetic Resonance Imaging, Computed Tomography, and Positron Emission Tomography, to objectively assess the safety and efficacy of investigational therapeutics throughout clinical development.

Key Market Drivers

The increasing global clinical trial volume is a fundamental driver for the clinical trial imaging market as pharmaceutical and biotechnology companies expand therapeutic pipelines. This expansion necessitates comprehensive imaging for drug safety and

efficacy assessments, directly increasing demand for specialized services. This growth is evidenced by the rising number of registered studies; according to ClinicalTrials.gov, as of October 10, 2025, the number of registered studies reached 74,339.

Key Market Challenges

The substantial capital expenditure required for imaging equipment directly impedes the growth of the Global Clinical Trial Imaging Market. The high cost of acquiring and maintaining advanced medical imaging modalities, such as Magnetic Resonance Imaging or Positron Emission Tomography systems, places a significant financial burden on clinical trial sites and contract research organizations. This barrier limits the ability of many entities, particularly smaller or emerging research centers, to invest in the latest technology or expand their imaging capabilities.

Key Market Trends

The adoption of decentralized and hybrid clinical trial models is fundamentally reshaping operational strategies within the global clinical trial imaging market by enhancing patient accessibility and streamlining data collection. This approach integrates remote technologies such as telemedicine and wearable devices, reducing the need for extensive on-site patient visits and thereby broadening the geographic reach for participant recruitment. TransCelerate BioPharma's 2024 Annual Report indicates that both mature and newer initiatives have achieved 75% or higher adoption rates among their member companies in recent years, reflecting the increasing integration of flexible trial designs.

Key Market Players

- Clario Medical Imaging Inc
- Icon PLC
- Ixico PLC
- Koninklijke Philips N.V
- Medpace
- Navitas Clinical Research, Inc
- Parexel International Corporation
- ProScan Imaging
- Radiant Sage LLC
- Resonance Health

Report Scope:

In this report, the Global Clinical Trial Imaging Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

-□Clinical Trial Imaging Market, By Product and Service:

- o Trial Design Consulting Services
- o Read Analysis Services
- o Operational Imaging Services
- o Imaging Software

-□Clinical Trial Imaging Market, By Modality:

- o Magnetic Resonance Imaging
- o Computed Tomography
- o Ultrasound
- o Positron Emission Tomography
- o X-Ray
- o Echocardiography
- o Other Modalities

-□Clinical Trial Imaging Market, By End User:

- o Pharmaceutical & Biotechnology Companies
- o Medical Device Manufacturers
- o Academic and Government Research Institute

-□Clinical Trial Imaging Market, By Region:

o North America

 □ United States

 □ Canada

 □ Mexico

o Europe

 □ France

 □ United Kingdom

 □ Italy

 □ Germany

 □ Spain

o Asia Pacific

 □ China

 □ India

 □ Japan

 □ Australia

 □ South Korea

o South America

 □ Brazil

 □ Argentina

 □ Colombia

o Middle East & Africa

 □ South Africa

 □ Saudi Arabia

 □ UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Clinical Trial Imaging Market.

Available Customizations:

Global Clinical Trial Imaging Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

-□Detailed analysis and profiling of additional market players (up to five).

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