

U.S. Clinical Trials Management System Market Size, Share & Trends Analysis Report By Solution Type, By Delivery Mode (Web & Cloud-based, On-premise), By Component (Software, Services), By End Use, And Segment Forecasts, 2025 - 2030

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Abstracts

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U.S. Clinical Trials Management System Market Summary

The U.S. clinical trials management system market size was estimated at USD 831.22 million in 2024 and is expected to grow at a CAGR of 13.5% from 2025 to 2030. The rapid growth of healthcare IT, a preference for decentralized clinical trials, initiatives by key industry players, and a rising number of clinical studies are expected to fuel market growth. For instance, in November 2024, the FDA finalized its guidance on decentralized clinical trials (DCTs), emphasizing integrating remote elements like telehealth visits and digital health technologies to enhance trial accessibility and efficiency. This approach aims to broaden participation, especially among underrepresented populations, by reducing geographic and economic barriers to clinical trial involvement.

The current scenario for global research and development activities and the need for several new treatment options have also led to the adoption of fast-track clinical trials. Thus, the factors above are estimated to offer new avenues for the clinical trials market growth. Favorable government support and initiatives are another aspect boosting the market growth potential. For instance, the WHO launched Solidarity, an international clinical trial to determine effective treatment against COVID-19. It includes comparing four treatment options against the standard of care to evaluate their effectiveness

against the coronavirus.

Government initiatives and investments by biotechnology and pharmaceutical firms are driving medical research activities. Combined with technological advancements, these factors are expected to propel market growth. For example, in October 2023, the Advanced Research Projects Agency for Health (ARPA-H), a U.S. Department of Health and Human Services (HHS) agency, announced plans to enhance the country's ability to conduct clinical trials rapidly, safely, and equitably. This initiative aims to promote technological advancements and insights to establish a robust national clinical trial infrastructure, thereby fostering the adoption of CTMS and strengthening the market growth.

Moreover, market players are introducing tailored solutions or optimizing existing ones to cater to the requirements of Decentralized Clinical Trials (DCTs). For instance, Cloudbyz offers a cloud-based CTM solution with features like ePRO, remote monitoring & SDV, eConsent, and eCRF, supporting virtual trials. Parexel International Corporation, a key player, has conducted over 250 fully virtual or hybrid DCTs and has experience with various remote patient engagement strategies incorporated into trials.

Increasing R&D investments by life science and medical device companies, coupled with the growing prevalence of acute & chronic disorders, are driving the surge in clinical trials. This trend is expected to boost the demand for solutions like CTMS, facilitating efficient management of diverse clinical trials and ultimately improving patient outcomes.

U.S. Clinical Trial Management System Market Report Segmentation

This report forecasts revenue growth at country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the U.S. clinical trial management systems market report based on solution type, component, delivery mode, and end use:

Solution Type Outlook (Revenue, USD Million, 2018 - 2030)

Enterprise

Site

Component Outlook (Revenue, USD Million, 2018 - 2030)

Software

Services

Delivery Mode Outlook (Revenue, USD Million, 2018 - 2030)

Web & Cloud Based

On Premise

End use Outlook (Revenue, USD Million, 2018 - 2030)

Pharmaceutical and Biotechnology Firms

Medical Device Firms

CROs & Others

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