

Electronic Clinical Outcome Assessment Solutions Market Size, Share & Trends Analysis Report By Delivery Mode (Web & Cloud Based, On-premise), By End-user, By Region, And Segment Forecasts, 2023 - 2030

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Abstracts

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Electronic Clinical Outcome Assessment Solutions Market Growth & Trends

The global electronic clinical outcome assessment solutions market size is anticipated to reach USD 4.12 billion by 2030, registering CAGR of 15.2% during the forecast period, according to a new report by Grand View Research, Inc. The key factors driving the market growth include increasing interoperability across eClinical solutions, surge in adoption owing to the COVID-19, use of telehealth, need to comply with changing regulations, and increasing complexity of data generated in clinical research.

The COVID-19 led to operational hurdles in clinical research activities including clinical trials. This included postponement of trials, recruitment challenges, and management problems. The pandemic, however, accelerated the adoption of enabling technologies for managing clinical trial operations and data. This boosted demand for the eClinical solutions including electronic clinical outcome assessment (eCOA) solutions. As patients were unable to visit trial sites, eCOA solutions emerged as a reliable solution to collect patient data. It also helped sites maintain compliance during the pandemic. For instance, IQVIA reported that its eCOA platform was deployed multiple times during the pandemic in clinical trials.

The complexity in healthcare information management is anticipated to fuel demand for

the eCOA solutions in coming years. These solutions deliver accurate and timely health information and reduce burden of the patients enrolled in clinical trials. eCOA measures overall mental state, patient symptoms, and the progression of a disease. Electronic diaries and electronic patient reported outcomes (ePRO) are a part of eCOA platforms. Electronic diaries help document patient response. These are used as support systems for ePRO. eCOA solution from Cloudbyz for instance, includes ePRO and eDiary functionalities and supports electronic clinical outcome data, captured with compliance adherence.

In addition, assessments systems help detect probable adverse conditions in advance for the patients, which is crucial for taking preventive measures to avoid adverse effects in future. The ePRO platforms transfer real-time data from the patients to healthcare professionals for accurate decision-making and better evaluation of a patient's health. Thus, the adoption of these platforms is expected to grow in near future. Growing adoption of software solutions during research studies, high R&D expenditure by the pharmaceutical companies, favorable government grants to support clinical trials, and widening base of potential customers are some of the key contributing factors for the market growth.

Electronic Clinical Outcome Assessment Solutions Market Report Highlights

The electronic clinical outcome assessment (eCOA) solutions market was valued at USD 1.36 billion in 2022 and is expected to expand at a CAGR of 15.2% during the forecast period

Web & Cloud-based solutions are anticipated to grow at an exponential rate owing to the integrated features that include flexibility, high accessibility, negligible handling costs, and easy data backup. The added advantage of remote access to information also contributes to segment growth

Contract research organizations dominated the eCOA solutions market as major pharmaceutical companies are focused on reducing expenditure on clinical trials

North America held the largest market share owing to the local presence of well-established market players coupled with large number of ongoing research in this region

Asia Pacific market is expected to show fastest growth during the forecast period owing to the increasing clinical research activities by the end users such

as CROs and biopharmaceutical companies

The companies are making significant investments to implement eClinical solutions in order to manage medical information, owing to the benefits it offers

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