Clinical Decision Support Systems Market by Component (Services, Software), Delivery Mode, Product Type (Integrated, Standalone), Model (Knowledge-Based), Type (Therapeutic, Diagnostic), User Interactivity (Active, Passive), Application - Forecasts to 2021

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Abstracts

The clinical decision support systems market is expected to reach USD 1,519.2 million by 2021 from USD 856.3 million in 2016, at a CAGR of 12.2% during the forecast period from 2016 to 2021. The government support and initiatives to drive adoption of HCIT solutions in healthcare, rising incidence of medication errors, rising prominence and usage of Big Data and m-Health tools, growing adoption of cloud computing in healthcare and prevalence of chronic diseases are some of the factors driving the growth of the clinical decision support systems market.

Clinical decision support systems are gaining popularity across the globe; the use of health information technologies and online resources in healthcare boosts clinical decision making by providing access to a wealth of information presented in a timely manner to make the best possible patient-specific decisions as per circumstances. These systems also reduce commission and omission errors and enhance the quality of care. The benefits offered by clinical decision support systems is driving stakeholders in the healthcare system including key industry players, healthcare providers and governments to take measures to integrate these systems into clinical workflows. However, reluctance amongst traditional healthcare providers to adopt the solutions, requirement of high investments for supporting IT infrastructure, data security concerns related to cloud-based systems and lack of interoperability are some of the factors expected to restrain the growth of this market.

On the other hand, emerging markets for healthcare IT in regions such as Asia-Pacific, Middle East, Latin America and Africa, and technological advancements in HCIT solutions offer growth opportunities for players in the market.

The clinical decision support systems market is expected to be challenged by the lack of skilled IT professionals in the healthcare sector.

Geographically, North America is expected to account for the largest share of the global clinical decision support systems market in 2016, followed by Europe, Asia-Pacific, and the Rest of the World (RoW). The large share of the North American market is attributed to favorable initiatives and regulatory mandates, enterprises by key industry players, and rising incidence of medication errors in U.S.; and rising personalized medicine initiatives and prevalence of chronic diseases in Canada.

In-depth interviews were conducted with CEOs, Sales and Marketing Directors, other innovation and technology directors, and executives from various key organizations operating in the clinical decision support systems market place.

By Company Type: Tier 1: 50%, Tier 2: 35%, Tier 3: 15%

By Designation: Director Level: 29%, C-Level: 39%, Others: 32%

By Region: North America: 32%, Europe: 24%, APAC: 26%, ROW: 18%

The report includes the study of key players offering clinical decision support systems such as Cerner Corporation (U.S.), McKesson Corporation (U.S.), Epic Systems Corporation Inc. (U.S.), Medical Information Technology, Inc. (U.S.), Philips Healthcare (Netherlands), Allscripts Healthcare Solutions, Inc. (U.S.), Wolters Kluwer Health (U.S.), Zynx Health (U.S.), Elsevier B.V. (Netherlands), and International Business Machines (IBM) Corporation (U.S.)

Research Coverage:

The report segments the global clinical decision support systems market on the basis of component, delivery mode, product, type, model, user interactivity, application, and region, with analysis and forecasts to 2021.

Reasons to Buy the Report:

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms to garner a greater market share. Firms purchasing the report could use one or a combination of the below-mentioned five strategies for strengthening their market shares.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on the solutions offered by top players in the clinical decision support systems market. The report analyzes the clinical decision support systems market, by component, delivery mode, product, type, model, user interactivity, and application

Product Development/Innovation: Detailed insights on research and development activities and new product launches in the clinical decision support systems market

Market Development: Comprehensive information about the lucrative emerging markets. The report analyzes the clinical decision support systems market across regions

Market Diversification: Exhaustive information about new products, untapped regions, recent developments, and investments in the clinical decision support systems market

Competitive Assessment: In-depth assessment of strategies, products, and distribution networks of the leading players in the clinical decision support systems market

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About

Clinical decision support systems (CDSS) not only retrieve stored data and analyze historical and current data but also have the capability to advise patients at the point of care. The global CDSS market is estimated to reach $xx million by 2018 at a CAGR of xx% during the forecast period (2013-2018).

The CDSS market is segmented by product, model, application, delivery mode, component, and provider entity capacity. Based on products, the CDSS market is further segmented into integrated and standalone CDSS solutions. Integrated solutions are mainly available in three different combinations, namely, EHR-CDSS, EHR-CDSS-CPOE, and CDSS-CPOE. Of all the combinations. EHR-CDSS-CPOE will be the fastest-growing market at a CAGR of xx% in the coming five years.

Knowledge-based models are dominant CDSS models in the market, which accounted for a share of xx%in 2013 and were valued at$xx million.

Based on applications, the CDSS market is segmented into drug allergy alerts, drug reminders, drug-drug interactions, clinical guidelines, clinical reminders, drug dosing support, and others.

Drug allergy alerts accounted for the largest share of xx% of the global CDSS market in 2013.0n the other hand, clinical reminders will witness the fastest growth at an estimated CAGR of xx% from 2013 to 2018.

The three most important delivery modes considered for the study are web-based, on-premises, and cloud computing. The cloud computing mode of delivery is expected to grow at the fastest pace of xx% in the forecast period (2013-2018). Under healthcare provider entity capacity, providers are segmented by number of beds, which ranges from less than xx beds to more than xx beds. The CDSS market for hospitals with less than 100 beds accounted for the largest share of xx% of the overall CDSS market in 2013.

Market dynamics analysis has identified that rising budgetary pressure to reduce healthcare expenditures, increasing aging population, rising incidences of various diseases due to medication errors, growing need to integrate healthcare IT solutions, improved quality of care and clinical outcomes, and conducive government initiatives are significant factors propelling the market in the forecast period. On the other hand,

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rising incidences of data breach and loss of confidentiality, high maintenance and service expenses, shortage of trained IT professionals, and high costs of CDSS solutions are the factors that hinder the market.

Geographic analysis reveals that North America was the largest contributor to the global clinical decision support system market and occupied a share of xx% in 2013. It will also be the fastest growing region for CDSS till 2018. The Asian countries, on the other hand, are poised to grow at moderate CAGRs of xx% from 2013 to 2018.

The key players in the market are MEDITECH (U.S.), Cerner Corporation (U.S.), Carestream Health, Inc. (U.S.), McKesson Corporation (U.S.), Athenahealth, Inc. (U.S.), Siemens Healthcare (Germany). Allscripts Healthcare Solutions. Inc. (U.S.), GE Healthcare (U.K.), Agfa Healthcare (Belgium), NextGen Healthcare Information System LLC (U.S.), Novarad Corporation (U.S.), Philips Healthcare (The Netherlands), Wolters Kluwer (U.S.). Zynx Health (U.S.). and Epic (U.S.). Of all the players, MEDITECH accounted for largest share of xx% in 2013.

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