



**Orion Market Research**



**By OMR Global**

## **Clinical Decision Support System Market Share, Trends, Size, Research and Forecast 2019-2025**

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The global clinical decision support system market includes a health information system that combines patient data and medical knowledge base to record, store and improve the accessibility and analysis of patient information. Physicians and healthcare providers use this system for reviewing and diagnosing the disease through medical data of patients. This clinical decision support system industry is expanding attributed to the fact that the amount of medical data and information with the medical service providers is drastically increasing. The clinical decision support system assists in minimizing medication errors, reducing misdiagnoses, and improving the efficiency of analyzing patient data, that results in cost-cutting and timesaving.

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Furthermore, the system provides consistent and reliable information to the care team, all at one place to increase communication within the hospital staff. This market is broadly divided into a knowledge-based decision system support system and without a knowledge-based decision support system. Without knowledge-based decision support system depends on machine learning to analyze clinical data whereas, the knowledge-based decision support system uses the inference engine to analyze the same data. The key drivers of the [global clinical decision support system market](#) include stringent government regulations to maintain and store records of the patients related to the medical diagnostic techniques.

Furthermore, increasing the adoption of cloud computing in healthcare, the growing frequency of medical errors, and high return on investment in the clinical decision support system are other drivers that are fueling the growth of this industry. However, this growth will be restricted due to various factors that include security and privacy issues, changing as per user requirements, lack of experienced professionals and interoperability issues. Additionally, the high maintenance and software update costs of these systems may impede the growth of this market.

The opportunities for this market include increasing government initiatives for clinical decision support systems and emerging cloud computing technology in the healthcare sector that enables clinics to make accurate decisions. For instance, AHRQ has funded several research projects of a clinical decision support system, including the new Patient-Centered Outcomes Research (PCOR) under the Clinical Decision Support Initiative.

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Geographically, North America region has a substantial share in the market due to rapidly developing healthcare system and increased investment in research and development for advanced decision support systems. Additionally, the Asia-Pacific region is expected to grow at a significant rate owing to the presence of developing economies such as India and China that have rising aged population leading to increased demand for this system.

## Current Market Trends Covered in the Market Report:

- Demand for decentralization of healthcare information
- Clinical decision support system for minimizing medication errors and reducing misdiagnoses
- Rising supportive government policies in developing economies
- Asia-Pacific – an emerging region in the near future

## Global Clinical Decision Support System Market – Segmentation

### By Delivery Model

- On-Premise
- Cloud-Based
- Web-Based

### By Product Type

- Hardware
- Software
- Services

### By End-User

- Hospitals
- Diagnostic Centers
- Clinics
- Retail Pharmacy
- Others

## Global Clinical Decision Support System Market –Region

### North America

- US
- Canada

### Europe

- Germany
- UK

- France
- Spain
- Italy
- Rest of Europe

### Asia-Pacific

- China
- Japan
- India
- Rest of Asia-Pacific

### Rest of the World

- Middle East & Africa
- Latin America

### Company Profiles

- [Abbott Laboratories, Inc.](#)
- [Allscripts Healthcare Solutions, Inc.](#)
- [athenahealth, Inc.](#)
- [Carestream Health, Inc.](#)
- [Cerner Corp.](#)
- [Elsevier B.V.](#)
- [Epic Systems Corp.](#)
- [First Databank, Inc.](#)
- [General Electric Company](#)
- [Hearst Corp.](#)
- [IBM Corp.](#)
- [Inferscience, Inc.](#)
- [Koninklijke Philips N.V.](#)
- [MatrixCare](#)
- [McKesson Corp.](#)
- [Medical Information Technology, Inc.](#)
- [National Decision Support Company](#)
- [NextGen Healthcare Information Systems, LLC.](#)
- [Nuance Communications, Inc.](#)
- [Optum, Inc.](#)
- [Premier, Inc.](#)

- Siemens AG
- Varian Medical Systems, Inc.
- Wolters Kluwer NU
- Zynx Health, Inc.

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