

# Healthcare Cognitive Computing Market Size, Share, Trends and Forecast by Technology, Deployment Mode, End Use, and Region, 2025-2033

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## Abstracts

The global healthcare cognitive computing market size was valued at USD 6.03 Billion in 2024. Looking forward, IMARC Group estimates the market to reach USD 24.31 Billion by 2033, exhibiting a CAGR of 15.92% from 2025-2033. North America currently dominates the market, holding a market share of over 38.6% in 2024. The heightened adoption of AI and big data for diagnostics and personalized treatments, the rising demand for precision medicine and advanced diagnostics, and the growing need for automation to address workforce challenges and improve operational efficiency are some of the factors impacting the market positively.

Cognitive computing is a self-learning system that relies on data mining techniques, pattern recognition, natural languages, human sense processing, and system refinements to simulate the human thought process. It processes enormous amounts of data to answer specific queries, gives customized intelligent recommendations and supports decision making. It analyzes emerging patterns, spots business opportunities and handles critical process-centric issues in real-time. It also enhances customer interactions by providing relevant, contextual and valuable information. At present, cognitive computing is extensively utilized in the healthcare sector to treat patients using past data and recognize any health-related issues.

### Healthcare Cognitive Computing Market Trends:

The growing prevalence of chronic diseases across the globe represents one of the key factors driving the market. Moreover, there is a rise in the demand for gene-specific treatment to eliminate cancer cells without damaging healthy tissues. This, along with advancements in the healthcare industry around the world, is propelling the growth of

the market. In addition, there is an increase in the use of third computing platforms to facilitate better patient care. This, coupled with the escalating demand for personalized treatments in oncology, is offering lucrative growth opportunities to industry investors. Besides this, healthcare cognitive computing finds application in customized medicine, melanoma screening, and electronic health record (EHR) data analysis. Additionally, the increasing cost of drug discovery and clinical trials worldwide are catalyzing the demand for healthcare cognitive computing. Apart from this, governing authorities of several countries are undertaking initiatives to promote the usage of e-health technologies, which is positively influencing the market. Furthermore, key market players are focusing on mergers and acquisitions (M&A), which is projected to bolster their overall profitability.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global healthcare cognitive computing market, along with forecast at the global, regional, and country levels from 2025-2033. The market has been categorized based on technology, deployment mode and end use.

#### Breakup by Technology:

Natural Language Processing

Machine Learning

Automated Reasoning

Others

#### Breakup by Deployment Mode:

On-premises

Cloud-based

#### Breakup by End Use:

Hospitals

Pharmaceuticals

Medical Devices

Insurance

Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Apixio (Centene Corporation), Apple Inc., CognitiveScale, Enterra Solutions LLC, Google LLC (Alphabet Inc.), Healthcare X.0 GmbH, Intel Corporation, International Business Machines Corporation, MedWhat and Microsoft Corporation.

#### Key Questions Answered in This Report

- 1.How big is the healthcare cognitive computing market?
- 2.What is the future outlook of the healthcare cognitive computing market?
- 3.What are the key factors driving the healthcare cognitive computing market?

4. Which region accounts for the largest healthcare cognitive computing market share?
5. Which are the leading companies in the global healthcare cognitive computing market?

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