

North America Healthcare IT Market By Product & Services (Clinical Solutions, Non-Clinical Healthcare It Solutions, Healthcare Payer Solutions, HCIT Outsourcing Services, Others), By Component (Software, Services, Hardware), End User (Hospitals & clinics, Ambulatory Surgical Services, Others), By Country, Competition, Opportunities and Forecast, 2019-2029F

<https://marketpublishers.com/r/N17758F94C70EN.html>

Date: December 2024

Pages: 130

Price: US\$ 4,000.00 (Single User License)

ID: N17758F94C70EN

Abstracts

North America Healthcare IT Market was valued at USD 245.57 million in 2023 and is anticipated to reach USD 387.76 million with a CAGR of 7.87% through the forecast period. The North American Healthcare IT Market stands as a dynamic and pivotal sector essential for delivering healthcare services across the region. According to the data mentioned in the Commonwealth fund, The United States allocates almost 18 percent of its GDP to healthcare, yet its citizens experience shorter life expectancies and poorer health compared to those in other high-income nations.

This industry is characterized by robust growth, fueled by imperatives such as advancing patient care, curbing costs, and augmenting operational efficiency. Within this landscape, a myriad of technology solutions emerges, aimed at streamlining healthcare processes and elevating patient outcomes to new heights. At the heart of this evolution are key drivers, prominently the escalating adoption of electronic health records (EHRs), telemedicine, and digital health solutions. EHR systems play a pivotal role in enhancing the accuracy and accessibility of medical records, thereby empowering data-driven decision-making and fostering deeper patient engagement. Particularly noteworthy is the surge in telemedicine adoption, especially in the wake of

the COVID-19 pandemic. Telemedicine platforms have emerged as critical facilitators of remote healthcare access, alleviating the strain on in-person healthcare facilities while ensuring continued patient care.

However, amidst this growth, two paramount concerns loom large: interoperability and data security. Efforts are underway to ensure seamless information exchange across disparate systems while simultaneously upholding stringent patient privacy standards mandated by regulatory frameworks like the Health Insurance Portability and Accountability Act (HIPAA). The North American Healthcare IT Market boasts a rich and diverse vendor ecosystem, comprising established industry stalwarts alongside innovative startups. These entities offer a spectrum of solutions encompassing software, hardware, and consulting services tailored to meet the evolving needs of healthcare providers and institutions. Moreover, the integration of cutting-edge technologies such as artificial intelligence (AI) and machine learning (ML) has ushered in a new era of innovation within the sector. These technologies facilitate advanced predictive analytics, personalized medicine, and workflow optimization, thereby revolutionizing healthcare delivery and patient care practices. The North American Healthcare IT Market is undergoing rapid transformation, driven by a confluence of factors aimed at enhancing healthcare delivery, improving patient outcomes, and driving operational efficiencies. As technology continues to evolve and innovation flourishes, the future promises further advancements that will reshape the healthcare landscape for the better.

Key Market Drivers

Rising Electronic Health Records (EHRs) Demand

Electronic Health Records (EHRs) have been instrumental in driving growth and transformation within the North America Healthcare IT Market, revolutionizing healthcare delivery across the country. These digital records of patients' medical histories offer a multitude of advantages that fuel market expansion. U.S. health care expenditure rose by 4.1%, reaching \$4.5 trillion in 2022, an increase faster than the 3.2% rise in 2021 but significantly slower than the 10.6% surge in 2020. This growth in 2022 was driven by substantial increases in Medicaid and private health insurance spending, although it was partially counterbalanced by ongoing reductions in supplemental federal funding related to the COVID-19 pandemic. EHRs have notably enhanced the efficiency and precision of patient data management. Healthcare professionals can swiftly access comprehensive patient records, facilitating prompt and well-informed decision-making. This streamlined access minimizes the risk of errors,

promoting safer and more efficient patient care. By replacing cumbersome paper records with electronic systems, EHRs enable real-time storage, updating, and sharing of patient information, fostering seamless collaboration among healthcare providers. Interoperability, a fundamental aspect of EHR systems, drives the market's growth. Interoperable EHRs facilitate the exchange of medical data across various healthcare facilities, ensuring timely access to critical patient information. This interoperability enables healthcare providers to deliver more coordinated and comprehensive care by eliminating data silos that previously impeded information flow.

EHRs significantly enhance the analysis of patient data, facilitating improved treatment and decision-making through data analytics and artificial intelligence (AI). These technologies identify patterns, predict health outcomes, and enhance care protocols, ultimately leading to more effective and personalized patient management. Consequently, EHRs drive innovation within the market as healthcare providers increasingly leverage these capabilities to enhance patient outcomes and reduce healthcare costs. EHRs also drive the demand for telemedicine and remote patient monitoring solutions, integral components of the North America Healthcare IT Market. Remote access to patient records enables virtual consultations, making healthcare more accessible and reducing the need for in-person visits, particularly during the COVID-19 pandemic.

Telemedicine and Remote Patient Monitoring

Telemedicine and Remote Patient Monitoring (RPM) have emerged as significant growth drivers within the North America Healthcare IT Market. These technologies have transformed healthcare delivery by improving patient access to medical services, enhancing care quality, and supporting cost-effective healthcare solutions.

Telemedicine, especially amid the COVID-19 pandemic, has gained substantial momentum. It enables patients to consult with healthcare providers remotely, reducing the need for in-person visits and lowering the risk of disease transmission. Telemedicine encompasses various healthcare specialties, offering convenience and accessibility to patients across North America. Remote Patient Monitoring complements telemedicine by tracking and managing patients' vital signs and health data from a distance. It enables continuous monitoring of patients with chronic conditions, facilitating timely interventions and proactive care. RPM not only improves patient outcomes but also reduces the strain on healthcare facilities, providing cost-effective solutions.

The adoption of telemedicine and RPM is driven by the increasing demand for digital

health solutions among patients. The percentage of office-based physicians utilizing telemedicine technology in the United States rose significantly from 15.4% in 2019 to 85.9% in 2021. In both years, telemedicine adoption was higher among primary care and medical specialty physicians compared to surgical specialty physicians. By 2021, 91.4% of primary care physicians, 87.2% of medical specialty physicians, and 74.8% of surgical specialty physicians had incorporated telemedicine technology into their practices.

With the widespread use of smartphones and wearable devices, individuals seek active engagement in their healthcare management. Patient portals, mobile health apps, and wearable technologies integrated with telemedicine and RPM solutions empower patients to participate proactively in their healthcare. The regulatory landscape in North America supports the expansion of telemedicine and RPM. Federal and state-level regulations have adapted to facilitate their widespread use, offering flexibility and reimbursement options for healthcare providers. Regulatory support, coupled with growing patient acceptance, fuels the rapid growth of these services in the North America Healthcare IT Market.

Key Market Challenges

High Costs of Diagnostic Procedures

The North America Healthcare IT market has experienced significant growth, driven by digital technologies that are revolutionizing healthcare delivery. Amidst this digital transformation, data security and privacy concerns present substantial challenges for healthcare organizations, technology providers, and regulators. The primary challenge is the imperative to effectively safeguard patient data. Healthcare data, comprising personal medical histories, treatment plans, and diagnostic results, is highly sensitive and prone to cyberattacks and breaches due to its sheer volume. The HIPAA Journal has gathered healthcare data breach statistics starting from October 2009, when the Department of Health and Human Services (HHS) Office for Civil Rights (OCR) began publishing summaries of healthcare data breaches on its website. This page is continuously updated to provide the most current healthcare data breach statistics. The latest statistics and graphs were updated on December 11, 2024, based on data received from OCR on November 19, 2024.

Data breaches rose again in 2022, with Office for Civil Rights (OCR) reporting 720 breaches involving 500 or more records. Cyberattacks on healthcare organizations continued unabated in 2023, setting two new records: the highest number of reported

data breaches and the largest number of breached records. In 2023, Office for Civil Rights (OCR) received reports of 725 data breaches, resulting in the exposure or improper disclosure of over 133 million records. Recent years have seen numerous high-profile security breaches in healthcare, exposing patients' private information and posing risks such as financial losses, legal repercussions, and reputational damage for organizations.

To address these risks, healthcare entities must navigate a complex regulatory landscape, including compliance with the Health Insurance Portability and Accountability Act (HIPAA) in the United States. HIPAA mandates stringent standards for protecting medical records, requiring healthcare providers to implement robust security measures, conduct regular risk assessments, and provide staff training. Non-compliance carries severe penalties, underscoring the critical importance of prioritizing data security.

High Implementation Costs

The North America Healthcare IT market has seen impressive growth and innovation, driven by technology's role in enhancing patient care and healthcare operations. However, significant upfront and ongoing implementation costs present a notable challenge, limiting the market's full potential. One primary barrier to widespread adoption of healthcare IT solutions is the substantial financial burden placed on healthcare organizations. These costs include acquiring and installing Electronic Health Record (EHR) systems, telemedicine platforms, data analytics tools, and necessary infrastructure. Particularly for smaller healthcare providers, allocating resources for such investments can be challenging, hampering their ability to leverage the latest technologies and improve patient care.

Initial expenses involve software licensing, hardware purchases, and IT staff training. Additionally, ongoing costs for system maintenance, updates, cybersecurity, and technical support strain healthcare institutions' finances, especially in budget-constrained environments. Transitioning to healthcare IT solutions requires significant changes in organizational workflows and processes, which can disrupt operations and incur additional costs. Adequate staff training and change management initiatives are essential to ensure proficiency in using new technologies. Costs associated with training and potential productivity reductions during transition periods are often underestimated, leading to budgetary challenges..

Key Market Trends

EHR Optimization

EHR (Electronic Health Record) optimization drives growth in the North America Healthcare IT Market. While initial EHR adoption digitized patient records and processes, the focus now shifts to optimizing these systems for enhanced functionality, usability, and impact on patient care. EHR optimization employs strategies and technologies to improve system efficiency and effectiveness. Key to this is enhancing user-friendliness, reducing administrative burdens, and streamlining data entry and retrieval. Intuitive interfaces and workflows boost staff productivity and satisfaction, ultimately elevating care quality. Efforts also target better interoperability and data sharing among healthcare providers and systems, ensuring seamless patient data exchange across organizations. This is critical for continuity of care in multi-provider settings. Enhanced integration and secure data sharing improve overall care quality.

Customized features address specific organizational and patient needs, tailoring EHR systems to different specialties and settings. This includes specialized templates, decision support tools, and evidence-based medicine modules, enhancing clinical outcomes. EHR optimization fosters patient engagement through integrated portals and mobile apps. These empower patients to access records, communicate with providers, and actively participate in care, promoting a patient-centered approach and improved health management..

Genomics and Personalized Medicine

Genomics and personalized medicine are driving a revolution in the North America Healthcare IT Market, offering innovative solutions tailored to individual patients' genetic makeup and health characteristics. Genomics, the study of genes and genetic variations, is central to personalized medicine's emergence. Recent advancements in genetic testing and profiling enable healthcare providers to customize treatment plans based on patients' unique genetic and biological traits. This individualized approach improves treatment efficacy and reduces adverse effects, leading to better patient outcomes. Healthcare IT solutions facilitate the adoption of genomics and personalized medicine by providing platforms for storing, analyzing, and interpreting vast genomic data. Electronic Health Records (EHRs) and clinical decision support systems integrate genomic information, enabling data-driven treatment decisions. Data analytics and artificial intelligence (AI) further enhance genomics by identifying relevant genetic patterns and treatment options, contributing to precise, personalized care.

Personalized medicine finds applications in various medical fields, such as oncology, cardiology, pharmacology, and rare diseases. Targeted therapies based on individuals' genetic profiles lead to more effective disease management and improved patient experiences. Genomics and personalized medicine influence preventive care by offering genetic risk assessments that identify potential health issues before symptoms appear. This proactive healthcare approach empowers individuals to make informed lifestyle decisions and seek early interventions when needed.

The growth of genomics and personalized medicine is fueled by increasing patient interest and awareness. Patients seek healthcare solutions that consider their genetic predispositions, prompting healthcare providers to offer genetic testing, counseling, and personalized treatment plans. This trend fosters a patient-centered approach to healthcare, emphasizing collaboration between patients and providers.

Segmental Insights

Product & Services Insights

Based on the Product & Services, Clinical Solutions emerged as the dominant segment in the North America market for North America Healthcare IT Market in 2023. The primary goal of the healthcare system is to deliver high-quality patient care, and clinical solutions are at the forefront of achieving this objective. These solutions include Electronic Health Records (EHRs), Computerized Physician Order Entry (CPOE) systems, clinical decision support tools, telemedicine platforms, and more, all of which directly impact the care provided to patients. Government regulations, such as the Meaningful Use program in the United States, have incentivized and, in many cases, required healthcare providers to implement EHRs and other clinical solutions. These mandates have accelerated the adoption of these technologies.

Component Insights

Based on the Component, the Services segment emerged as the dominant region in the North America market for North America Healthcare IT Market in 2023. Healthcare organizations often require specialized solutions to meet their unique needs. Healthcare IT services, such as system integration, consulting, and implementation support, help customize and deploy software and hardware solutions effectively. The complex nature of healthcare systems and the need to align technology with specific workflows drive the demand for services. Transitioning to new healthcare IT solutions, whether it's Electronic Health Records (EHR) systems or clinical decision support tools, requires

comprehensive training for staff. Healthcare IT services offer training and ongoing support to ensure that healthcare professionals can use these systems effectively, reducing potential disruptions and optimizing patient care.

Country Insights

United States emerged as the dominant region in the North America Healthcare IT Market in 2023, holding the largest market share. The United States has one of the most extensive and diverse healthcare systems in the world. It encompasses a wide array of healthcare providers, including hospitals, clinics, nursing homes, and a myriad of specialty practices. The complexity of the U.S. healthcare system necessitates a robust healthcare IT infrastructure to streamline operations, manage patient data, and improve care delivery. The U.S. government has played a pivotal role in driving the adoption of healthcare IT. Initiatives like the Meaningful Use program (now part of the Promoting Interoperability program) and the Medicare Access and CHIP Reauthorization Act (MACRA) have incentivized healthcare providers to implement Electronic Health Records (EHRs) and other healthcare IT solutions. These regulatory requirements and financial incentives have significantly spurred the demand for healthcare IT in the United States.

Key Market Players

Optum, Inc.

Oracle Corporation

Cognizant Technology Solutions Corporation

Epic Systems Corporation

Dell Technologies Inc.

GE HealthCare Technologies Inc.

Report Scope:

In this report, the North America Healthcare IT Market has been segmented into the following categories, in addition to the industry trends which have also been detailed

below:

North America Healthcare IT Market, By Product & Services:

Clinical Solutions

Non-Clinical Healthcare It Solutions

Healthcare Payer Solutions

HCIT Outsourcing Services

Others

North America Healthcare IT Market, By Component:

Software

Services

Hardware

North America Healthcare IT Market, By End User:

Hospitals & clinics

Ambulatory Surgical Services

Others

North America Healthcare IT Market, By Country:

United States

Canada

Mexico

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the North America Healthcare IT Market.

Available Customizations:

North America Healthcare IT Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. SERVICE OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. NORTH AMERICA HEALTHCARE IT MARKET OUTLOOK

- 4.1. Market Size & Forecast
 - 4.1.1. By Value
- 4.2. Market Share & Forecast
 - 4.2.1. By Product & Services (Clinical Solutions, Non-Clinical Healthcare It Solutions, Healthcare Payer Solutions, HCIT Outsourcing Services, Others)
 - 4.2.2. By Component (Software, Services, Hardware)
 - 4.2.3. By End User (Hospitals & clinics, Ambulatory Surgical Services, Others)
 - 4.2.4. By Country
 - 4.2.5. By Company (2023)

4.3. Market Map

- 4.3.1. By Product & Services
- 4.3.2. By Component
- 4.3.3. By End User
- 4.3.4. By Country

5. UNITED STATES HEALTHCARE IT MARKET OUTLOOK

5.1. Market Size & Forecast

- 5.1.1. By Value

5.2. Market Share & Forecast

- 5.2.1. By Product & Services
- 5.2.2. By Component
- 5.2.3. By End User

6. CANADA HEALTHCARE IT MARKET OUTLOOK

6.1. Market Size & Forecast

- 6.1.1. By Value

6.2. Market Share & Forecast

- 6.2.1. By Product & Services
- 6.2.2. By Component
- 6.2.3. By End User

7. MEXICO HEALTHCARE IT MARKET OUTLOOK

7.1. Market Size & Forecast

- 7.1.1. By Value

7.2. Market Share & Forecast

- 7.2.1. By Product & Services
- 7.2.2. By Component
- 7.2.3. By End User

8. MARKET DYNAMICS

8.1. Drivers

8.2. Challenges

9. MARKET TRENDS & DEVELOPMENTS

- 9.1. Recent Developments
- 9.2. Product Launches
- 9.3. Mergers & Acquisitions

10. NORTH AMERICA HEALTHCARE IT MARKET: SWOT ANALYSIS

11. PORTER'S FIVE FORCES ANALYSIS

- 11.1. Competition in the Industry
- 11.2. Potential of New Entrants
- 11.3. Power of Suppliers
- 11.4. Power of Customers
- 11.5. Threat of Substitute Product

12. COMPETITIVE LANDSCAPE

- 12.1. Optum, Inc.
 - 12.1.1. Business Overview
 - 12.1.2. Company Snapshot
 - 12.1.3. Products & Services
 - 12.1.4. Financials (In case of listed)
 - 12.1.5. Recent Developments
 - 12.1.6. SWOT Analysis
- 12.2. Oracle Corporation
- 12.3. Cognizant Technology Solutions Corporation
- 12.4. Epic Systems Corporation
- 12.5. Dell Technologies Inc.
- 12.6. GE HealthCare Technologies Inc.

13. STRATEGIC RECOMMENDATIONS

14. ABOUT US & DISCLAIMER

I would like to order

Product name: North America Healthcare IT Market By Product & Services (Clinical Solutions, Non-Clinical Healthcare It Solutions, Healthcare Payer Solutions, HCIT Outsourcing Services, Others), By Component (Software, Services, Hardware), End User (Hospitals & clinics, Ambulatory Surgical Services, Others), By Country, Competition, Opportunities and Forecast, 2019-2029F

Product link: <https://marketpublishers.com/r/N17758F94C70EN.html>

Price: US\$ 4,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N17758F94C70EN.html>