

Global Digital Diagnostics Market Size Study, by Product & Services (Hardware, Software & Services), by Application (Cardiology, Gynecology, Infectious Diseases, Oncology, Diabetes, Others), by End-User (Hospitals & ASCs, Clinical Laboratories, Academic & Research Institutes, Others) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/GBC2AF65E559EN.html>

Date: August 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GBC2AF65E559EN

Abstracts

The global digital diagnostics market is valued approximately at USD 1,431.7 million in 2023 and is anticipated to grow with a healthy growth rate of more than 19.24% over the forecast period 2024-2032. Digital diagnostics refers to the use of advanced digital technologies and tools to diagnose diseases and medical conditions. This includes the integration of sophisticated software, data analytics, and digital devices to enhance traditional diagnostic methods. Applications of digital diagnostics are vast and varied, including wearable devices that monitor vital signs, smartphone apps that track symptoms, and AI-powered platforms that analyse medical images such as X-rays or MRIs for early detection of conditions like cancer or cardiovascular diseases. These technologies significantly improve the accuracy, speed, and accessibility of diagnoses, thus enabling remote monitoring and telemedicine. Moreover, digital diagnostics play a pivotal role in facilitating personalized medicine by providing data-driven insights tailored to individual patients.

The market is experiencing robust growth driven by several key factors. Firstly, the integration of artificial intelligence (AI) and machine learning (ML) into digital diagnostics has greatly enhanced the accuracy and efficiency of diagnostic procedures. AI algorithms can quickly analyse vast amounts of data, providing precise results and enabling early disease detection. This technological evolution is expanding the

capabilities and applications of digital diagnostics. Additionally, there is a growing shift towards personalized medicine, where treatments are customized to the individual characteristics of each patient. Digital diagnostics provide detailed genetic and molecular insights, enabling healthcare providers to offer more precise and effective treatments. This increasing demand for personalized care is significantly driving the adoption of digital diagnostics. Furthermore, the global rise in chronic diseases such as diabetes, cardiovascular diseases, and cancer is fuelling the demand for efficient diagnostic solutions. Digital diagnostics offer rapid and accurate testing, essential for the timely management and treatment of these conditions. As the burden of chronic diseases continues to escalate, so does the reliance on digital diagnostic tools. However, the market faces challenges, particularly regarding data privacy and security. The sensitive nature of healthcare data requires stringent measures to protect against breaches and unauthorized access. Concerns over data security can hinder the adoption of digital diagnostics, as patients and healthcare providers may be reluctant to fully embrace these technologies without robust safeguards in place. Addressing these concerns is crucial for sustained market growth.

The key regions considered for the global digital diagnostics market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is expected to hold a significant share in the market and continue its dominance during the forecast period. The primary driving factors for the growth of the North American digital diagnostics market are the growing burden of chronic diseases, rising adoption of technologies in chronic disease management, increasing investments, rising product launches, and key initiatives taken by the key market players. The United States within North America is expected to grow significantly during the study period, driven by the rising burden of chronic diseases such as cancer and Alzheimer's disease. For instance, according to the 2022 estimates by the American Cancer Society, Inc., about 236,740 new cases of lung cancer will be diagnosed in the country in 2022. The same source states that 79,000 new cases of kidney cancer and 13,920 deaths will be reported in 2022 from kidney cancer. The high burden of cancer is expected to boost the demand for digital diagnostics devices, thereby driving market growth. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

F. Hoffmann-La Roche Ltd

GE Healthcare

Siemens Healthcare GmbH

ThermoFisher Scientific Inc.

Laboratory Corporation of America Holdings

Digital Diagnostics Inc.

Cerora

Riverain Technologies

Midmark Corporation

Nanox Imaging Ltd.

The detailed segments and sub-segment of the market are explained below:

By Product & Services:

Hardware

Software & Services

By Application:

Cardiology

Gynecology

Infectious Diseases

Oncology

Diabetes

Others

By End-User:

Hospitals & ASCs

Clinical Laboratories

Academic & Research Institutes

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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