

# **Medical AI Market Size, Share & Trends Analysis Report By Application (Medical Imaging Diagnostics AI, Digital Pathology AI, Genomic Diagnostics AI, Multimodal Diagnostics AI), By End Use, By Patient Journey, By Region, And Segment Forecasts, 2026 - 2036**

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## **Abstracts**

### **Medical AI Market Summary**

The global medical AI market size was estimated at USD 42.62 billion in 2025 and is projected to grow from USD 56.20 billion in 2026 to USD 1,050.63 billion by 2036, at a CAGR of 34.0% from 2026 to 2036. The North America Medical AI market held the largest share of 44.01% of the global market in 2025.

Increasing demand for minimally invasive surgery and clinical precision, growing adoption of real-time health tracking and personalized wellness solutions, increasing demand for minimally invasive surgery and clinical precision, and rising demand for cost-effective drug development are significant factors contributing to market growth.

### **Global Medical AI Market Report Segmentation**

This report forecasts revenue growth at the global, regional, and country levels and provides an analysis of the industry trends in each of the sub-segments from 2021 to 2036. For this study, Grand View Research has segmented the medical AI market report based on, end use, application, patient journey, and region:

#### **Application Outlook (Revenue, USD Million, 2021 - 2036)**

Medical Imaging Diagnostics AI

Digital Pathology AI

Genomic Diagnostics AI

Bio-signal Diagnostics/Physiologic Signal AI

Multimodal Diagnostics AI

Clinical & Treatment Support

Robot-Assisted Surgery

Virtual Assistants

Administrative Workflow Assistants

Clinical Trials

Fraud Detection

Cybersecurity

Dosage Error Reduction

Precision medicine

Drug discovery & development

Lifestyle management & remote patient monitoring

Wearables

Patient engagement

Others

End Use Outlook (Revenue, USD Million, 2021 - 2036)

Healthcare Providers

Hospitals

Physician groups/clinics

Ambulatory / specialty care centers

Others (Dialysis centers, Cardiac diagnostic centers, etc.)

Life Sciences

Pharmaceutical companies

Biotechnology companies

CROs / clinical research organizations

Patient

Payer

Others (Academic medical centers, Research institutes, etc.)

Patient Journey Outlook (Revenue, USD Million, 2021 - 2036)

Prevention/Wellness

Diagnostics

Treatment / Intervention

Post-care / Management

Regional Outlook (Revenue, USD Million, 2021 - 2036)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Denmark

Sweden

Norway

Asia Pacific

China

Japan

India

South Korea

Australia

Thailand

Latin America

Brazil

Argentina

Middle East and Africa

Saudi Arabia

UAE

South Africa

Kuwait

**This report can be delivered to the clients within 3 Business Days**

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