

Global Generative AI in Healthcare Market Size study, by Application (Treatment, Diagnosis, Drug Discovery, Research), by End User (Hospitals and Clinics, Healthcare Organizations, Others), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G144FF942A2BEN.html>

Date: August 2024

Pages: 200

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

ID: G144FF942A2BEN

Abstracts

Global Generative AI in Healthcare Market, valued at approximately USD 2.16 billion in 2023, is anticipated to grow with an impressive CAGR of 34.98% over the forecast period 2024-2032. Generative artificial intelligence (AI) in healthcare represents a frontier of innovation, utilizing advanced deep learning algorithms to produce valuable outputs such as medical images, textual summaries, and novel drug compounds. This technology has shown transformative potential in enhancing patient care, accelerating research, and streamlining operational efficiencies. In particular, generative AI excels in natural language processing, assisting healthcare professionals by summarizing and interpreting extensive clinical literature, thereby keeping them abreast of the latest research developments. Additionally, AI-driven drug discovery has revolutionized the identification of potential pharmaceutical compounds, significantly reducing the timeline for developing new treatments and therapies.

The Global Generative AI in Healthcare Market is driven by burgeoning adoption of generative AI technology for medical image analysis and its integral role in drug discovery and development are pivotal drivers of market growth. This advanced technology leverages sophisticated algorithms and machine learning models to generate high-quality medical images, enhance image resolution, and assist in the early detection and diagnosis of various medical conditions. The ability of generative AI to improve the accuracy and efficiency of medical image analysis is transforming diagnostic practices, enabling healthcare professionals to make more informed decisions and provide better patient care. Additionally, the integration of generative AI in healthcare is fostering innovations in personalized medicine, predictive analytics, and

treatment planning, further propelling market expansion. Furthermore, the deployment of generative AI in hospital workflow management systems is poised to enhance market expansion. However, challenges related to data privacy and security present significant obstacles to the widespread implementation of generative AI in healthcare.

The key regions considered for Global Generative AI in Healthcare Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America dominated the market share, attributed to its robust healthcare infrastructure and the strong presence of key industry players. Furthermore, the Asia-Pacific region is projected to witness the fastest growth during the forecast period, driven by favorable government initiatives and a large patient population base.

Major market players featured in this report include

Syntegra

Microsoft

Abridge AI Inc.

Google LLC

IBM Watson Health Corporation

InSilico Medicine

NVIDIA Corporation

Amazon

Oracle

Open AI Inc

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

By Application

- Treatment
- Diagnosis
- Drug Discovery
- Research

By End User

- Hospitals and Clinics
- Healthcare Organizations
- 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

Contents

CHAPTER 1. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET EXECUTIVE SUMMARY

- 1.1. Global Generative AI in Healthcare Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Application
 - 1.3.2. By End User
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Increasing adoption of AI for medical image analysis
- 3.1.2. Rise in AI-driven drug discovery processes
- 3.1.3. Enhanced hospital workflow management through AI

3.2. Market Challenges

- 3.2.1. Data privacy and security concerns
- 3.2.2. High implementation costs

3.3. Market Opportunities

- 3.3.1. Growing investments in AI research
- 3.3.2. Expansion in emerging markets
- 3.3.3. Technological advancements in AI

CHAPTER 4. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

5.1. Segment Dashboard

5.2. Global Generative AI in Healthcare Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Treatment

5.2.2. Diagnosis

5.2.3. Drug Discovery

5.2.4. Research

CHAPTER 6. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET SIZE & FORECASTS BY END USER 2022-2032

6.1. Segment Dashboard

6.2. Global Generative AI in Healthcare Market: End User Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Hospitals and Clinics

6.2.2. Healthcare Organizations

6.2.3. Others

CHAPTER 7. GLOBAL GENERATIVE AI IN HEALTHCARE MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Generative AI in Healthcare Market

7.1.1. U.S. Generative AI in Healthcare Market

7.1.1.1. Application breakdown size & forecasts, 2022-2032

7.1.1.2. End User breakdown size & forecasts, 2022-2032

7.1.2. Canada Generative AI in Healthcare Market

7.2. Europe Generative AI in Healthcare Market

7.2.1. U.K. Generative AI in Healthcare Market

7.2.2. Germany Generative AI in Healthcare Market

7.2.3. France Generative AI in Healthcare Market

7.2.4. Spain Generative AI in Healthcare Market

7.2.5. Italy Generative AI in Healthcare Market

7.2.6. Rest of Europe Generative AI in Healthcare Market

7.3. Asia-Pacific Generative AI in Healthcare Market

7.3.1. China Generative AI in Healthcare Market

7.3.2. India Generative AI in Healthcare Market

7.3.3. Japan Generative AI in Healthcare Market

7.3.4. Australia Generative AI in Healthcare Market

7.3.5. South Korea Generative AI in Healthcare Market

- 7.3.6. Rest of Asia Pacific Generative AI in Healthcare Market
- 7.4. Latin America Generative AI in Healthcare Market
 - 7.4.1. Brazil Generative AI in Healthcare Market
 - 7.4.2. Mexico Generative AI in Healthcare Market
 - 7.4.3. Rest of Latin America Generative AI in Healthcare Market
- 7.5. Middle East & Africa Generative AI in Healthcare Market
 - 7.5.1. Saudi Arabia Generative AI in Healthcare Market
 - 7.5.2. South Africa Generative AI in Healthcare Market
 - 7.5.3. Rest of Middle East & Africa Generative AI in Healthcare Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Syntegra
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Microsoft
 - 8.3.3. Abridge AI Inc.
 - 8.3.4. Google LLC
 - 8.3.5. IBM Watson Health Corporation
 - 8.3.6. InSilico Medicine
 - 8.3.7. NVIDIA Corporation
 - 8.3.8. Amazon
 - 8.3.9. Oracle
 - 8.3.10. Open AI Inc.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis

- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Generative AI in Healthcare market, report scope

TABLE 2. Global Generative AI in Healthcare market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Generative AI in Healthcare market estimates & forecasts by Application 2022-2032 (USD Billion)

TABLE 4. Global Generative AI in Healthcare market estimates & forecasts by End User 2022-2032 (USD Billion)

TABLE 5. Global Generative AI in Healthcare market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 6. Global Generative AI in Healthcare market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Global Generative AI in Healthcare market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Global Generative AI in Healthcare market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Generative AI in Healthcare market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Global Generative AI in Healthcare market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Global Generative AI in Healthcare market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Global Generative AI in Healthcare market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Global Generative AI in Healthcare market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Global Generative AI in Healthcare market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. U.S. Generative AI in Healthcare market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. Generative AI in Healthcare market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. U.S. Generative AI in Healthcare market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. Canada Generative AI in Healthcare market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Generative AI in Healthcare market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada Generative AI in Healthcare market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Generative AI in Healthcare market, research methodology
- FIG 2. Global Generative AI in Healthcare market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Generative AI in Healthcare market, key trends 2023
- FIG 5. Global Generative AI in Healthcare market, growth prospects 2022-2032
- FIG 6. Global Generative AI in Healthcare market, porters 5 force model
- FIG 7. Global Generative AI in Healthcare market, PESTEL analysis
- FIG 8. Global Generative AI in Healthcare market, value chain analysis
- FIG 9. Global Generative AI in Healthcare market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Generative AI in Healthcare market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Generative AI in Healthcare market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Generative AI in Healthcare market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Generative AI in Healthcare market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Generative AI in Healthcare market, regional snapshot 2022 & 2032
- FIG 15. North America Generative AI in Healthcare market 2022 & 2032 (USD Billion)
- FIG 16. Europe Generative AI in Healthcare market 2022 & 2032 (USD Billion)
- FIG 17. Asia Pacific Generative AI in Healthcare market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Generative AI in Healthcare market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Generative AI in Healthcare market 2022 & 2032 (USD Billion)
- FIG 20. Global Generative AI in Healthcare market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable

I would like to order

Product name: Global Generative AI in Healthcare Market Size study, by Application (Treatment, Diagnosis, Drug Discovery, Research), by End User (Hospitals and Clinics, Healthcare Organizations, Others), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G144FF942A2BEN.html>

Price: US\$ 4,950.00 (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/G144FF942A2BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970