

Global AI in Healthcare Market:
Analysis By Component, By
Algorithm, By Application, By End
User, By Region Size & Forecast
with Impact Analysis of COVID-19
and Forecast up to 2027

September 2022



Global AI in Healthcare Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID

Dynamics

Competitive Landscape

Company Profiling

Global AI in Healthcare Market: Coverage

Scope of the Report

Attributes	Details
Title	Global AI in Healthcare Market: Analysis By Component, By Algorithm, By Application, By End User, By Region Size & Forecast with Impact Analysis of COVID-19 and Forecast up to 2027
Coverage	Global and Regional
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2027
Competition in the Market	Moderately Fragmented
Key Players	IBM Corporation, Alphabet Inc. (Google), Johnson & Johnson Ltd., Amazon.Com, Inc. (Amazon Web Services, Inc.), Microsoft Corp. (Microsoft Azure), Intel Corporation, Koninklijke Philips N.V., Nvidia Corporation, Siemens Healthineers AG, General Electric Company, Babylon Holdings Limited, NetBase Quid, Oncora Medical, Cloudmedx Health Inc. and iCarbonX

Global AI in Healthcare Market: Coverage

Executive Summary

The application of AI or machine-learning algorithms to simulate human cognition for obtaining and comprehending complicated medical and health care data is referred to as AI in healthcare. Global AI in healthcare market in 2021 was valued at US\$6.71 billion. The market is expected to reach US\$41.70 billion by 2027, growing at a CAGR of 37.48% during the forecast period of 2022-2027.

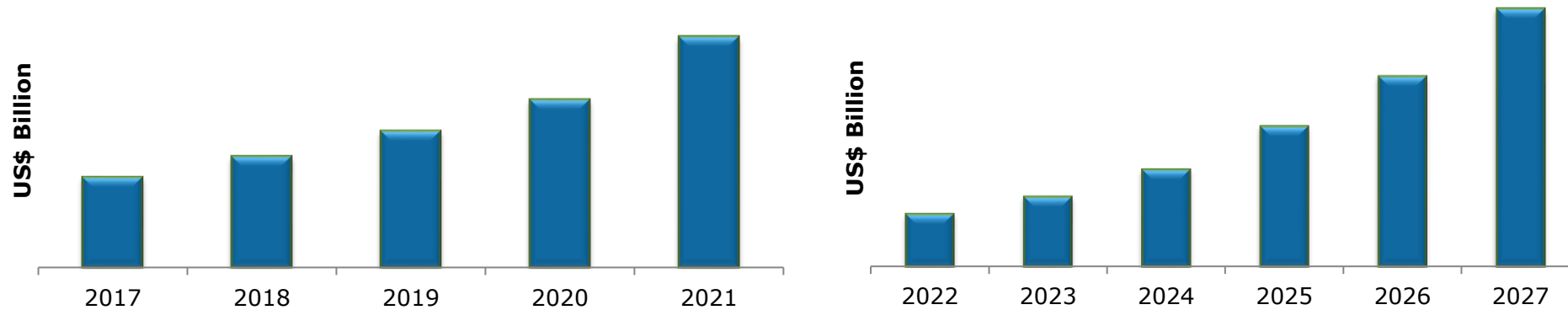
The global AI in healthcare market can be segmented based on Component (Software Solutions, Hardware and Services); Algorithm (Deep Learning, Querying Method, Natural Language Processing and Context Aware Processing); Application (Clinical Trial, Robot Assisted Surgery, Connected Machines, Fraud Detection, Virtual Assistants, Administration Workflow Assistants, Diagnosis, Dosage Error Reduction, Cyber security and Others); and End User (Hospital & Healthcare Providers, Pharmaceutical & Biotechnology Companies, Patients, Healthcare Payers and Others). Software solutions held almost half of the market share in 2021, on account of continuous software innovation that caters to the requirement in the healthcare sector, increase in the adoption of AI software solutions among healthcare payers and providers owing to the high imbalance between patients and medical staff. North America is leading the global AI in healthcare market by occupying approximately 40% of the market share.

COVID-19 has had a favorable market impact. The adoption of artificial intelligence and machine learning technologies increased as a result of COVID-19. The pandemic demonstrated the power and sophistication that artificial intelligence can bring to the healthcare sector, fundamentally transforming the business. As the number of patients in hospitals increased, so did the adoption and implementation of robotically assisted medical surgeries, artificial intelligence-based virtual assistants, inpatient care bots, and other technologies.

The global AI in healthcare market has increased in 2021. The projections are made that the market would rise in the next five years i.e. 2022-2027 tremendously. The global AI in healthcare market is expected to increase due to rising utilization of robots for surgical and rehabilitation procedures, increasing volume of healthcare data, growing potential of AI-based tools for elderly care, surging investment in AI deals in healthcare, etc. Yet the market faces some challenges such as Reluctance among medical practitioners to adopt AI-based technologies, concerns regarding data privacy, etc. Moreover, the market growth would succeed to various market trends like shortage of skilled workforce, growing shift towards home healthcare, upsurge in demand for personalized medicine, etc.

AI in Healthcare Market: Global Analysis

Global AI in Healthcare Market by Value



CAGR	
2017-2021	xx%
2022-2027	xx%

The global AI in healthcare market valued at US\$... billion in 2021, increased as compared to US\$... billion in 2020. Global AI in healthcare market is anticipated to reach up to US\$... billion by 2027, at a CAGR of%, from US\$... billion in 2022.

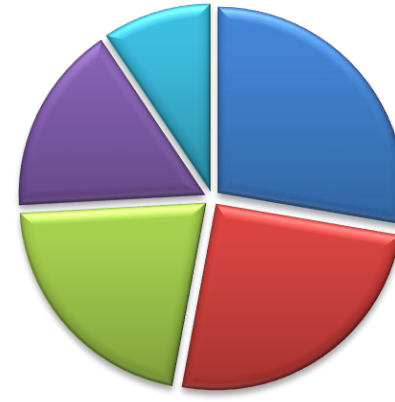
AI in Healthcare Market: Global Analysis

Global AI in Healthcare Market by Component; 2021



Component	Share
Software Solutions	xx%
Hardware	xx%
Services	xx%

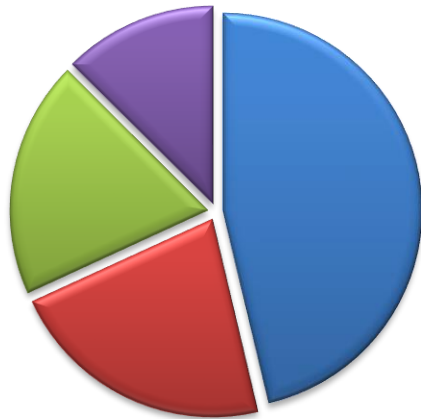
Global AI in Healthcare Market by End User; 2021



End User	Share
Hospital & Healthcare Providers	xx%
Pharmaceutical & Biotechnology Companies	xx%
Patients	xx%
Healthcare Payers	xx%
Others	xx%

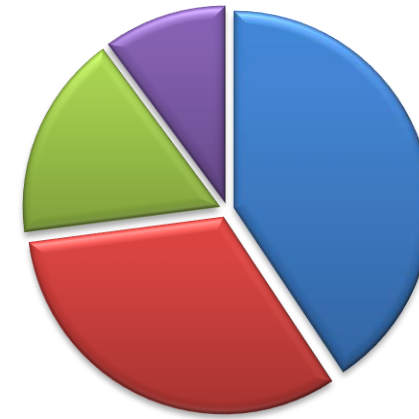
AI in Healthcare Market: Global Analysis

Global AI in Healthcare Market by Algorithm; 2021



Algorithm	Share
Natural Learning Processing	xx%
Querying Method	xx%
Context Aware Processing	xx%
Deep Learning	xx%

Global AI in Healthcare Market by Region; 2021



Region	Share
Asia Pacific	xx%
North America	xx%
Europe	xx%
Rest of the World	xx%

AI in Healthcare Market: Global Analysis

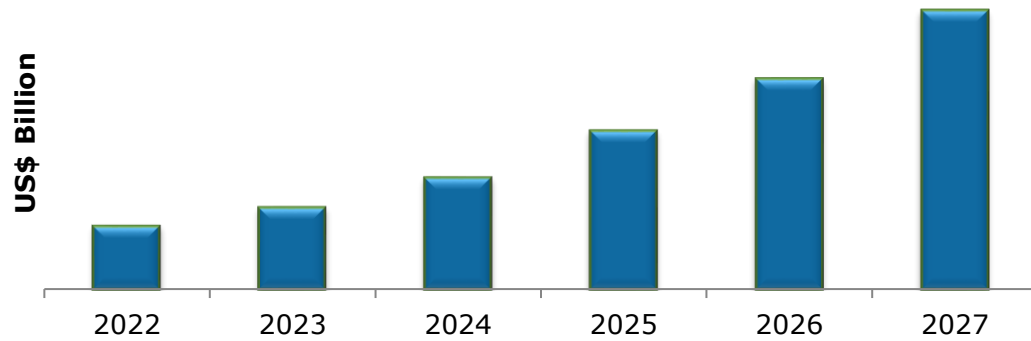
Global AI in Healthcare Market by Application; 2021



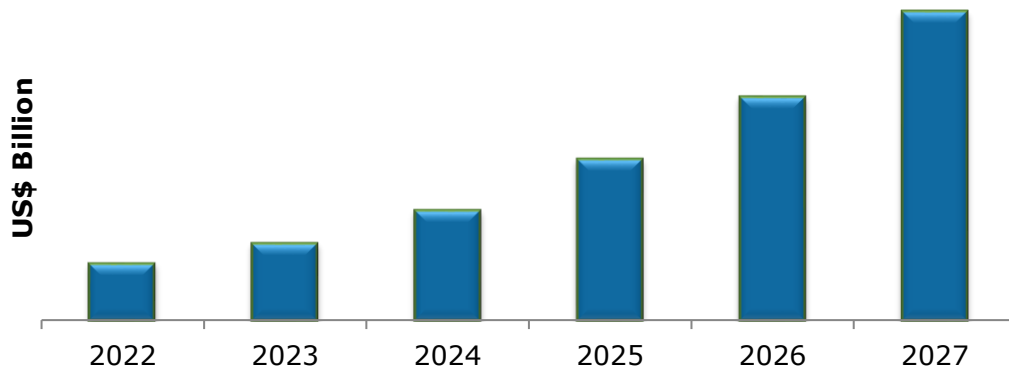
Application	Share
Clinical Trails	xx%
Robot Assisted Surgery	xx%
Connected Machines	xx%
Fraud Detection	xx%
Virtual Assistants	xx%
Administration Workflow Assistants	xx%
Diagnosis	xx%
Dosage Error Reduction	xx%
Cyber security	xx%
Others	xx%

Global AI in Healthcare Market: Component Analysis

Global Software Solutions AI in Healthcare Market by Value



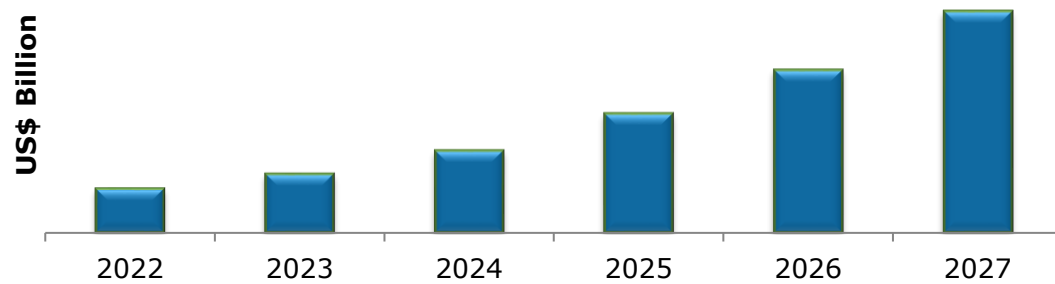
Global Hardware AI in Healthcare Market by Value



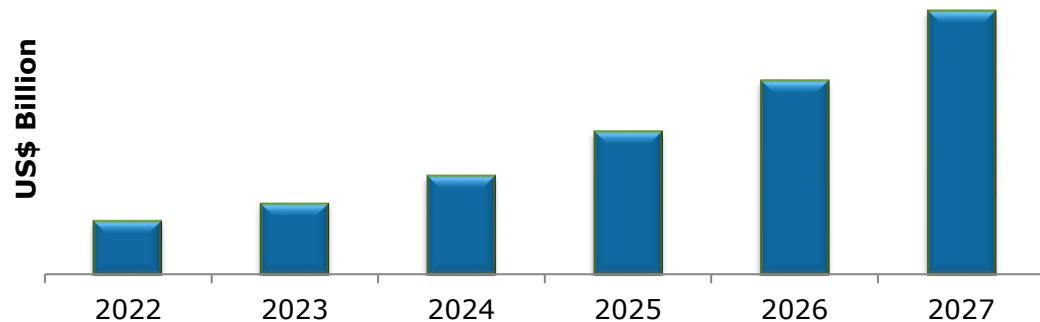
Component	CAGR (2017-2021)	CAGR (2022-2027)
Software Solutions	xx%	xx%
Hardware	xx%	xx%
Services	xx%	xx%

Global AI in Healthcare Market: Algorithm Analysis

Global Natural Learning Processing AI in Healthcare Market by Value



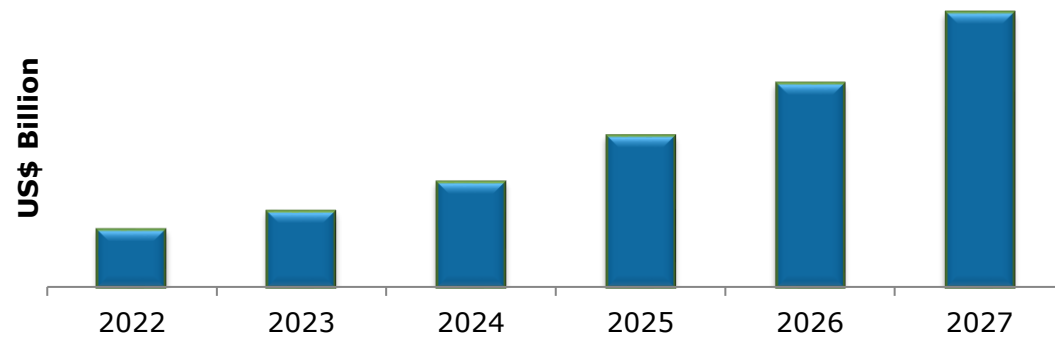
Global Querying Method AI in Healthcare Market by Value



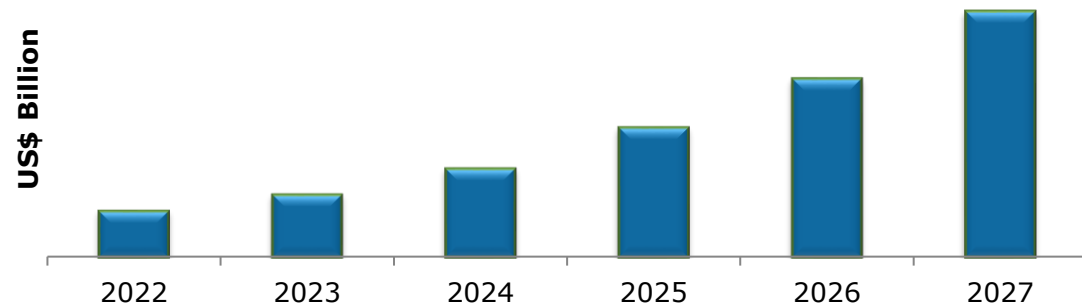
Algorithm	CAGR (2017-2021)	CAGR (2022-2027)
Natural Learning Processing	xx%	xx%
Querying Method	xx%	xx%
Context Aware Processing	xx%	xx%
Deep Learning	xx%	xx%

Global AI in Healthcare Market: Application Analysis

Global Clinical Trails AI in Healthcare Market by Value



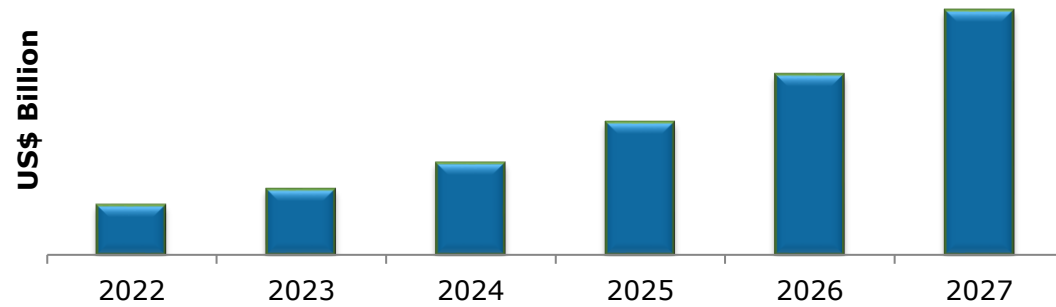
Global Fraud Detection AI in Healthcare Market by Value



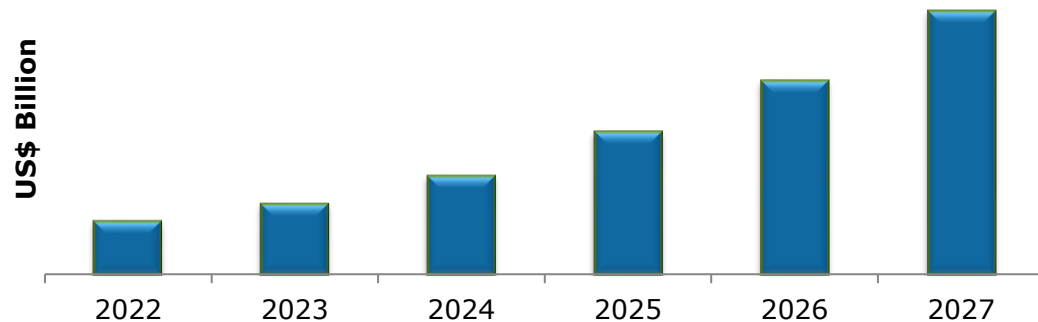
Application	CAGR (2017-2021)	CAGR (2022-2027)
Clinical Trails	xx%	xx%
Robot Assisted Surgery	xx%	xx%
Connected Machines	xx%	xx%
Fraud Detection	xx%	xx%
Virtual Assistants	xx%	xx%
Administration Workflow Assistants	xx%	xx%
Diagnosis	xx%	xx%
Dosage Error Reduction	xx%	xx%
Cyber security	xx%	xx%
Others	xx%	xx%

Global AI in Healthcare Market: End Users Analysis

Global Hospital & Healthcare Providers AI in Healthcare Market by Value



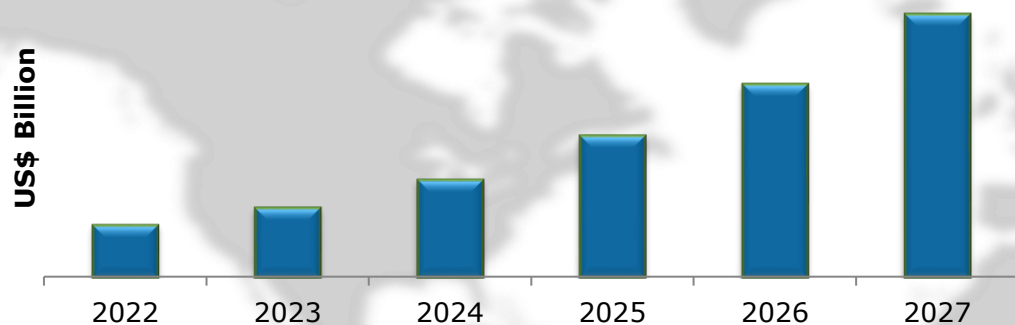
Global Patients AI in Healthcare Market by Value



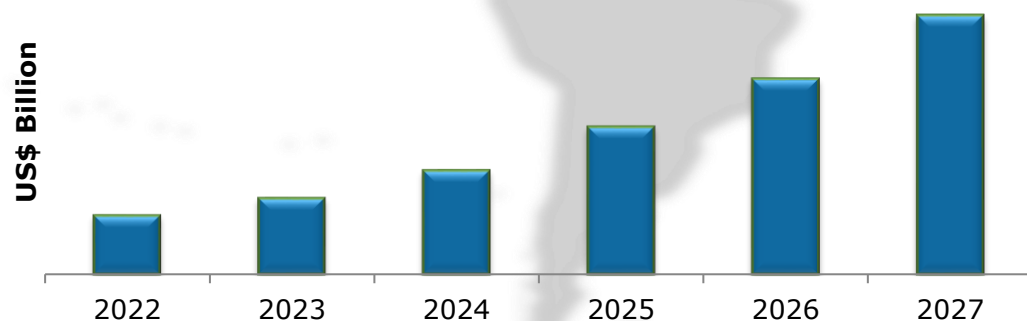
End Users	CAGR (2017-2021)	CAGR (2022-2027)
Hospital & Healthcare Providers	xx%	xx%
Pharmaceutical & Biotechnology Companies	xx%	xx%
Patients	xx%	xx%
Healthcare Payers	xx%	xx%
Others	xx%	xx%

AI in Healthcare Market: Regional Analysis

North America AI in Healthcare Market by Value



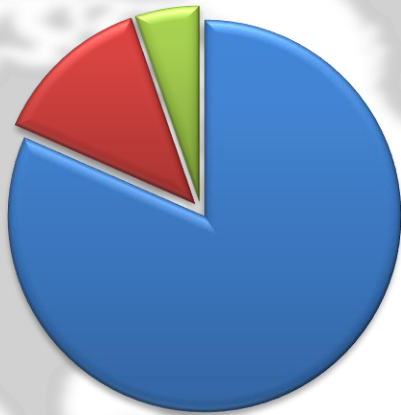
Asia Pacific AI in Healthcare Market by Value



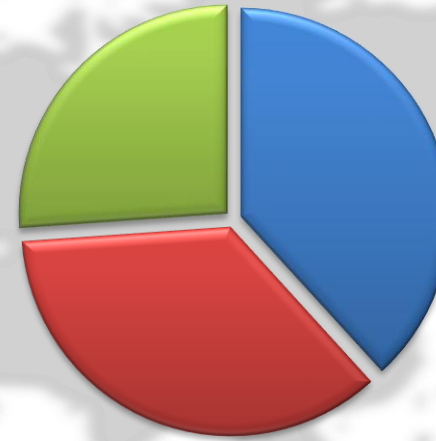
Regions	CAGR (2017-2021)	CAGR (2022-2027)
North America	xx%	xx%
Europe	xx%	xx%
Asia Pacific	xx%	xx%
Rest of the World	xx%	xx%

North America AI in Healthcare Market: An Analysis

North America AI in Healthcare Market by Region; 2021



The US AI in Healthcare Market by Component; 2021

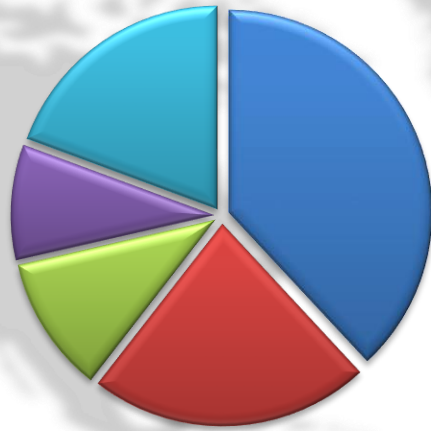


Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
The US	xx%	xx%	xx%
Canada	xx%	xx%	xx%
Mexico	xx%	xx%	xx%

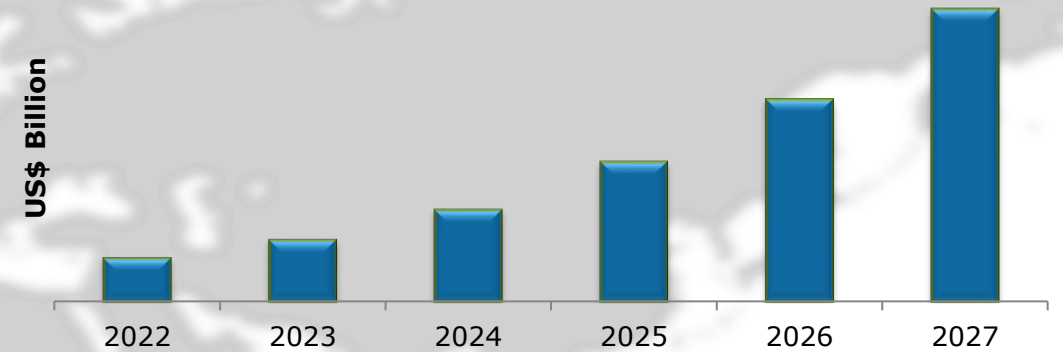
Component	Share	CAGR (2017-2021)	CAGR (2022-2027)
Software Solutions	xx%	xx%	xx%
Hardware	xx%	xx%	xx%
Services	xx%	xx%	xx%

Asia Pacific AI in Healthcare Market: An Analysis

Asia Pacific AI in Healthcare Market by Region; 2021



China AI in Healthcare Market by Value



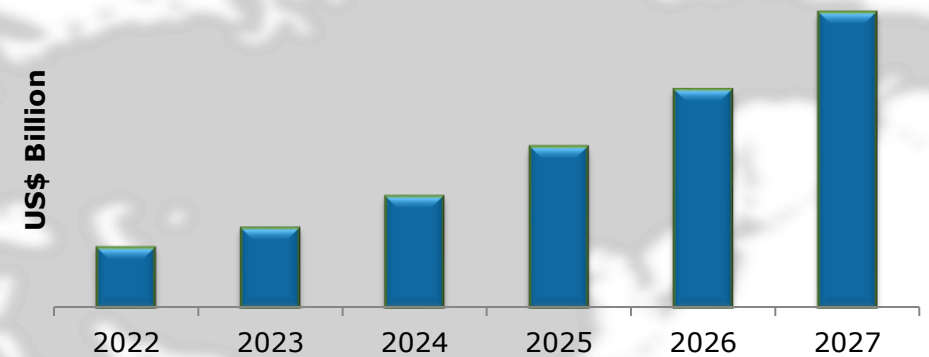
Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
China	xx%	xx%	xx%
Japan	xx%	xx%	xx%
India	xx%	xx%	xx%
South Korea	xx%	xx%	xx%
Rest of Asia Pacific	xx%	xx%	xx%

Europe AI in Healthcare Market: An Analysis

Europe AI in Healthcare Market by Region; 2021

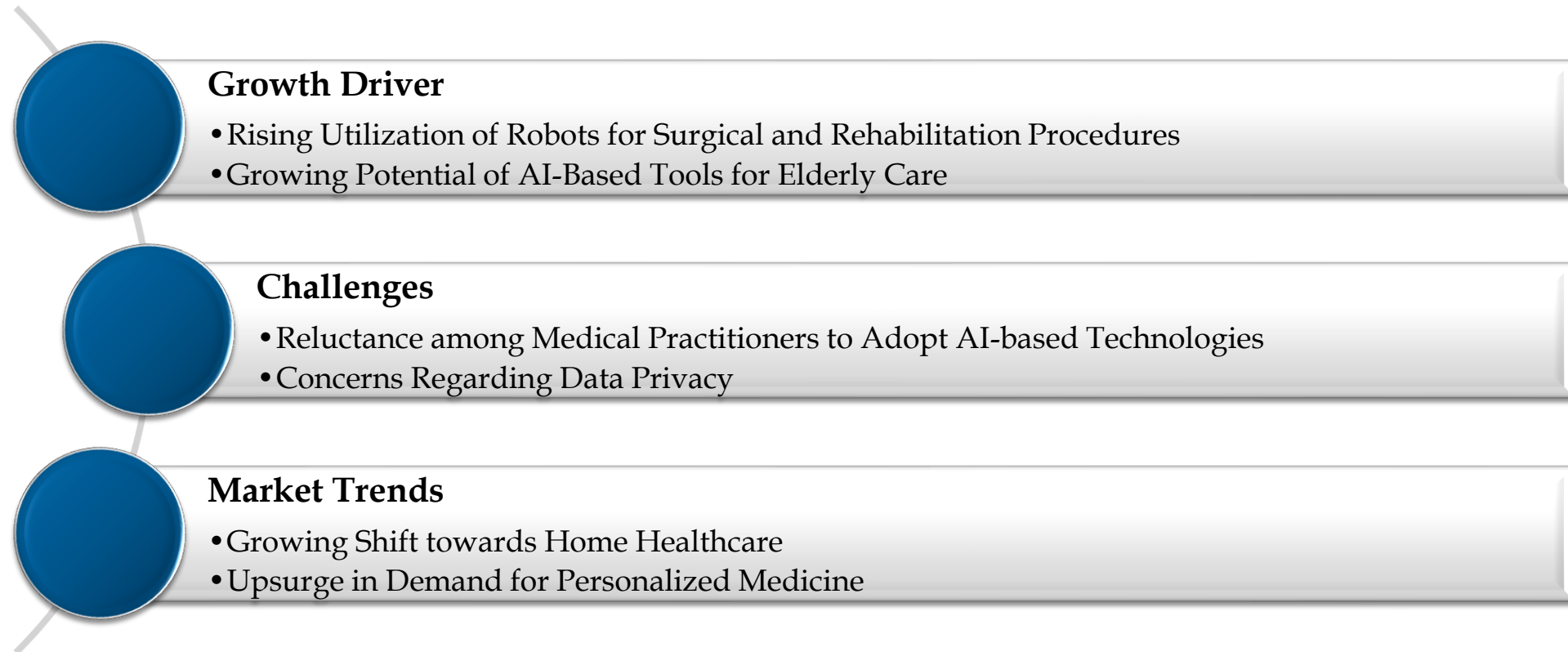


UK AI in Healthcare Market by Value



Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
Germany	xx%	xx%	xx%
UK	xx%	xx%	xx%
France	xx%	xx%	xx%
Italy	xx%	xx%	xx%
Spain	xx%	xx%	xx%
Rest of Europe	xx%	xx%	xx%

Global AI in Healthcare Market: Dynamics



Global AI in Healthcare Market: Competitive Landscape

Players Profiled

- IBM Corporation,
- Alphabet Inc. (Google)
- Johnson & Johnson Ltd.
- Amazon.Com, Inc. (Amazon Web Services, Inc.)
- Microsoft Corp. (Microsoft Azure)
- Intel Corporation
- Koninklijke Philips N.V.
- Nvidia Corporation
- Siemens Healthineers AG
- General Electric Company
- Babylon Holdings Limited
- NetBase Quid
- Oncora Medical
- Cloudmedx Health Inc.
- iCarbonX