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AI-in Precision Medicine Market Size, Trends, Analysis, and Outlook By Technology (Deep Learning, Querying Method, Natural Language Processing, Context Aware Processing), By Component (Hardware, Software, Services), By Therapeutic Application (Oncology, Cardiology, Neurology, Respiratory, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global AI-in Precision Medicine market size is poised to register 32.75% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global AI-in Precision Medicine market across By Technology (Deep Learning, Querying Method, Natural Language Processing, Context Aware Processing), By Component (Hardware, Software, Services), By Therapeutic Application (Oncology, Cardiology, Neurology, Respiratory, Others).

The AI-in precision medicine market is experiencing exponential growth, driven by the convergence of artificial intelligence (AI) technologies and precision medicine approaches. AI applications in precision medicine involve leveraging advanced algorithms and data analytics to analyze vast amounts of patient data, including genomic, clinical, and lifestyle information, to tailor healthcare interventions to individual patients. With a focus on personalized diagnostics, targeted therapies, and predictive modeling, healthcare providers and biotechnology companies are increasingly adopting AI-driven precision medicine solutions to improve treatment outcomes, optimize drug development pipelines, and enhance patient care across various disease areas.

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Moreover, advancements in AI algorithms, machine learning models, and big data analytics are driving market expansion, offering new opportunities to unlock insights from complex datasets, identify biomarkers, and stratify patient populations for targeted interventions. Additionally, collaborations between AI technology developers, healthcare institutions, and regulatory agencies are driving innovation in AI-based precision medicine, fostering the development of interoperable platforms, regulatory frameworks, and evidence-based guidelines to accelerate the adoption of precision medicine approaches and improve healthcare delivery worldwide.

AI-in Precision Medicine Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The AI-in Precision Medicine market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of AI-in Precision Medicine survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the AI-in Precision Medicine industry.

Key market trends defining the global AI-in Precision Medicine demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

AI-in Precision Medicine Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The AI-in Precision Medicine industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support AI-in Precision Medicine companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

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Key strategies adopted by companies within the AI-in Precision Medicine industry

Leading AI-in Precision Medicine companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 AI-in Precision Medicine companies.

AI-in Precision Medicine Market Study- Strategic Analysis Review

The AI-in Precision Medicine market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

AI-in Precision Medicine Market Size Outlook- Historic and Forecast Revenue in Three Cases

The AI-in Precision Medicine industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

AI-in Precision Medicine Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market

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size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America AI-in Precision Medicine Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various AI-in Precision Medicine market segments. Similarly, Strong end-user demand is encouraging Canadian AI-in Precision Medicine companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico AI-in Precision Medicine market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe AI-in Precision Medicine Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European AI-in Precision Medicine industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European AI-in Precision Medicine market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific AI-in Precision Medicine Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for AI-in Precision Medicine in Asia Pacific. In particular, China, India, and South East Asian AI-in Precision Medicine markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a

burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America AI-in Precision Medicine Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa AI-in Precision Medicine Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East AI-in Precision Medicine market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for AI-in Precision Medicine.

AI-in Precision Medicine Market Company Profiles

The global AI-in Precision Medicine market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Alphabet Inc (Google Inc), AstraZeneca plc, BioXcel Therapeutics Inc, Enlitic Inc, GE HealthCare, IBM, Intel Corp, Microsoft, NVIDIA Corp, Sanofi S.A.

Recent AI-in Precision Medicine Market Developments

The global AI-in Precision Medicine market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

AI-in Precision Medicine Market Report Scope

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Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

- Pricing Analysis
- Value Chain Analysis
- SWOT Profile
- Market Dynamics- Trends, Drivers, Challenges
- Porter’s Five Forces Analysis
- Macroeconomic Impact Analysis
- Case Scenarios- Low, Base, High

Market Segmentation:

By Technology

Deep Learning

Querying Method

Natural Language Processing

Context Aware Processing

By Component

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Hardware

Software

Services

By Therapeutic Application

Oncology

Cardiology

Neurology

Respiratory

Others

Geographical Segmentation:

- North America (3 markets)
- Europe (6 markets)
- Asia Pacific (6 markets)
- Latin America (3 markets)
- Middle East Africa (5 markets)

Companies

Alphabet Inc (Google Inc)

AstraZeneca plc

BioXcel Therapeutics Inc

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Enlitic Inc

GE HealthCare

IBM

Intel Corp

Microsoft

NVIDIA Corp

Sanofi S.A.

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Deep Learning
Querying Method

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Natural Language Processing
Context Aware Processing
By Component
Hardware
Software
Services
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Oncology
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BioXcel Therapeutics Inc
Enlitic Inc
GE HealthCare
IBM
Intel Corp
Microsoft
NVIDIA Corp
Sanofi S.A.

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