

# **Bioinformatics Services Market Outlook 2025-2034: Market Share, and Growth Analysis By Service (Sequencing Services, Data Analysis, Drug Discovery Services, Differential Gene Expression Analysis, Database And Management Services, Other Services), By Specialty (Medical Biotechnology, Animal Biotechnology, Plant Biotechnology, Environmental Biotechnology, Forensic Biotechnology), By Application, By End User**

<https://marketpublishers.com/r/B5B3C154A70DEN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: B5B3C154A70DEN

## **Abstracts**

The Bioinformatics Services Market is valued at USD 6.1 billion in 2025 and is projected to grow at a CAGR of 17.3% to reach USD 25.7 billion by 2034. The bioinformatics services market has been expanding rapidly, driven by the increasing need for advanced data analysis in genomics, proteomics, drug discovery, and personalized medicine. Bioinformatics services include a wide range of solutions, such as sequence alignment, structural modeling, functional annotation, data mining, and algorithm development, all aimed at deriving meaningful insights from complex biological data. These services are used by pharmaceutical companies, academic research institutions, biotechnology firms, and clinical laboratories to accelerate research timelines, enhance precision, and improve the overall efficiency of the R&D process. Technological advancements in computational biology, cloud computing, and machine learning have significantly enhanced the capabilities of bioinformatics services. The integration of big data analytics and AI-driven algorithms allows for faster and more accurate data interpretation, enabling researchers to uncover novel biological pathways, identify potential drug targets, and streamline clinical decision-making. Additionally, the development of user-friendly bioinformatics platforms and tools has made these

services more accessible to non-specialists, broadening their adoption and driving market growth. Regionally, North America leads the bioinformatics services market, supported by a strong biotechnology and pharmaceutical industry, well-established research infrastructure, and substantial funding for genomic research. Europe follows closely, driven by increasing government and private sector investments in life sciences. Meanwhile, the Asia-Pacific region is emerging as a fast-growing market, fueled by expanding research capabilities, rising demand for personalized medicine, and growing investments in genomic and proteomic studies. As the demand for high-quality bioinformatics services continues to rise, the market is poised for sustained growth, supported by ongoing innovation, increasing data complexity, and the global push toward precision medicine.

### Key Insights Bioinformatics Services Market

Integration of machine learning and artificial intelligence in bioinformatics pipelines for more accurate data interpretation.

Growing use of cloud-based bioinformatics platforms enabling remote collaboration and scalable computing resources.

Increased focus on multi-omics approaches, combining genomic, proteomic, and transcriptomic data for deeper biological insights.

Rising demand for personalized medicine and targeted therapies requiring advanced data analysis.

Continuous advancements in sequencing technologies and data generation, necessitating sophisticated bioinformatics solutions.

Expanding adoption of bioinformatics in agricultural research, environmental monitoring, and industrial biotechnology.

High complexity and volume of biological data, requiring ongoing development of advanced algorithms and tools.

Limited availability of skilled bioinformaticians, creating a gap between data generation and analysis capabilities.

Cost concerns for smaller research organizations, which may face difficulties

accessing high-end bioinformatics services and infrastructure.

## Bioinformatics Services Market Segmentation

### By Service

Sequencing Services

Data Analysis

Drug Discovery Services

Differential Gene Expression Analysis

Database And Management Services

Other Services

### By Specialty

Medical Biotechnology

Animal Biotechnology

Plant Biotechnology

Environmental Biotechnology

Forensic Biotechnology

### By Application

Genomics

Chemoinformatics And Drug Design

Proteomics

Transcriptomics

Metabolomics

Other Applications

## By End User

Academic Institute And Research Centers

Hospital And Clinics

Pharmaceutical And Biotechnology Companies

CROs

Other End Users

## Key Companies Analysed

QIAGEN Digital Insights

Thermo Fisher Scientific Inc.

Illumina Inc.

DNAnexus Inc.

PerkinElmer Inc.

Biomax Informatics AG

Life Technologies Corporation

BGI Group

Eurofins Scientific SE

NeoGenomics Laboratories Inc.

CD Genomics Inc.

MedGenome Labs Pvt. Ltd.

Fios Genomics Ltd.

Geneva Bioinformatics SA

GVK Biosciences Private Limited

Accelrys Inc.

Macrogen Inc.

GENEWIZ Inc.

Source BioScience Limited

Microsynth AG

BaseClear B.V.

DNASTAR Inc.

GATC Biotech AG

Partek Incorporated

Seven Bridges Genomics Inc.

Omixon Inc.

BioTeam Inc.

BioBam Bioinformatics S.L.

Biomatters Limited

Genomatix GmbH

DNASTREAM Limited

Genalice B.V.

Golden Helix Inc.

Strand Life Sciences Private Limited

## Bioinformatics Services Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Bioinformatics Services Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Bioinformatics Services market data and outlook to 2034

United States

Canada

Mexico

Europe — Bioinformatics Services market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Bioinformatics Services market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Bioinformatics Services market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Bioinformatics Services market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Bioinformatics Services value chain with secondary data from associations, government publications,

*Bioinformatics Services Market Outlook 2025-2034: Market Share, and Growth Analysis By Service (Sequencing Ser...*

trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

### Key Questions Addressed

What is the current and forecast market size of the Bioinformatics Services industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

### Your Key Takeaways from the Bioinformatics Services Market Report

Global Bioinformatics Services market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Bioinformatics Services trade, costs, and supply chains

Bioinformatics Services market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Bioinformatics Services market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Bioinformatics Services market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Bioinformatics Services supply chain analysis

Bioinformatics Services trade analysis, Bioinformatics Services market price analysis, and Bioinformatics Services supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Bioinformatics Services market news and developments

### Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

## Contents

### **1. TABLE OF CONTENTS**

- 1.1 List of Tables
- 1.2 List of Figures

### **2. GLOBAL BIOINFORMATICS SERVICES MARKET SUMMARY, 2025**

- 2.1 Bioinformatics Services Industry Overview
  - 2.1.1 Global Bioinformatics Services Market Revenues (In US\$ billion)
- 2.2 Bioinformatics Services Market Scope
- 2.3 Research Methodology

### **3. BIOINFORMATICS SERVICES MARKET INSIGHTS, 2024-2034**

- 3.1 Bioinformatics Services Market Drivers
- 3.2 Bioinformatics Services Market Restraints
- 3.3 Bioinformatics Services Market Opportunities
- 3.4 Bioinformatics Services Market Challenges
- 3.5 Tariff Impact on Global Bioinformatics Services Supply Chain Patterns

### **4. BIOINFORMATICS SERVICES MARKET ANALYTICS**

- 4.1 Bioinformatics Services Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Bioinformatics Services Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Bioinformatics Services Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Bioinformatics Services Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Bioinformatics Services Market
  - 4.5.1 Bioinformatics Services Industry Attractiveness Index, 2025
  - 4.5.2 Bioinformatics Services Supplier Intelligence
  - 4.5.3 Bioinformatics Services Buyer Intelligence
  - 4.5.4 Bioinformatics Services Competition Intelligence
  - 4.5.5 Bioinformatics Services Product Alternatives and Substitutes Intelligence
  - 4.5.6 Bioinformatics Services Market Entry Intelligence

### **5. GLOBAL BIOINFORMATICS SERVICES MARKET STATISTICS – INDUSTRY**

## **REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034**

- 5.1 World Bioinformatics Services Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)
- 5.1 Global Bioinformatics Services Sales Outlook and CAGR Growth By Service, 2024-2034 (\$ billion)
- 5.2 Global Bioinformatics Services Sales Outlook and CAGR Growth By Specialty, 2024- 2034 (\$ billion)
- 5.3 Global Bioinformatics Services Sales Outlook and CAGR Growth By Application, 2024- 2034 (\$ billion)
- 5.4 Global Bioinformatics Services Sales Outlook and CAGR Growth By End User, 2024- 2034 (\$ billion)
- 5.5 Global Bioinformatics Services Market Sales Outlook and Growth by Region, 2024-2034 (\$ billion)

## **6. ASIA PACIFIC BIOINFORMATICS SERVICES INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK**

- 6.1 Asia Pacific Bioinformatics Services Market Insights, 2025
- 6.2 Asia Pacific Bioinformatics Services Market Revenue Forecast By Service, 2024-2034 (USD billion)
- 6.3 Asia Pacific Bioinformatics Services Market Revenue Forecast By Specialty, 2024-2034 (USD billion)
- 6.4 Asia Pacific Bioinformatics Services Market Revenue Forecast By Application, 2024- 2034 (USD billion)
- 6.5 Asia Pacific Bioinformatics Services Market Revenue Forecast By End User, 2024-2034 (USD billion)
- 6.6 Asia Pacific Bioinformatics Services Market Revenue Forecast by Country, 2024-2034 (USD billion)
  - 6.6.1 China Bioinformatics Services Market Size, Opportunities, Growth 2024- 2034
  - 6.6.2 India Bioinformatics Services Market Size, Opportunities, Growth 2024- 2034
  - 6.6.3 Japan Bioinformatics Services Market Size, Opportunities, Growth 2024- 2034
  - 6.6.4 Australia Bioinformatics Services Market Size, Opportunities, Growth 2024- 2034

## **7. EUROPE BIOINFORMATICS SERVICES MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034**

- 7.1 Europe Bioinformatics Services Market Key Findings, 2025

7.2 Europe Bioinformatics Services Market Size and Percentage Breakdown By Service, 2024- 2034 (USD billion)

7.3 Europe Bioinformatics Services Market Size and Percentage Breakdown By Specialty, 2024- 2034 (USD billion)

7.4 Europe Bioinformatics Services Market Size and Percentage Breakdown By Application, 2024- 2034 (USD billion)

7.5 Europe Bioinformatics Services Market Size and Percentage Breakdown By End User, 2024- 2034 (USD billion)

7.6 Europe Bioinformatics Services Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.6.1 Germany Bioinformatics Services Market Size, Trends, Growth Outlook to 2034

7.6.2 United Kingdom Bioinformatics Services Market Size, Trends, Growth Outlook to 2034

7.6.2 France Bioinformatics Services Market Size, Trends, Growth Outlook to 2034

7.6.2 Italy Bioinformatics Services Market Size, Trends, Growth Outlook to 2034

7.6.2 Spain Bioinformatics Services Market Size, Trends, Growth Outlook to 2034

## **8. NORTH AMERICA BIOINFORMATICS SERVICES MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034**

8.1 North America Snapshot, 2025

8.2 North America Bioinformatics Services Market Analysis and Outlook By Service, 2024- 2034 (\$ billion)

8.3 North America Bioinformatics Services Market Analysis and Outlook By Specialty, 2024- 2034 (\$ billion)

8.4 North America Bioinformatics Services Market Analysis and Outlook By Application, 2024- 2034 (\$ billion)

8.5 North America Bioinformatics Services Market Analysis and Outlook By End User, 2024- 2034 (\$ billion)

8.6 North America Bioinformatics Services Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.6.1 United States Bioinformatics Services Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Canada Bioinformatics Services Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.6.1 Mexico Bioinformatics Services Market Size, Share, Growth Trends and Forecast, 2024- 2034

## **9. SOUTH AND CENTRAL AMERICA BIOINFORMATICS SERVICES MARKET**

## **DRIVERS, CHALLENGES, AND FUTURE PROSPECTS**

9.1 Latin America Bioinformatics Services Market Data, 2025

9.2 Latin America Bioinformatics Services Market Future By Service, 2024- 2034 (\$ billion)

9.3 Latin America Bioinformatics Services Market Future By Specialty, 2024- 2034 (\$ billion)

9.4 Latin America Bioinformatics Services Market Future By Application, 2024- 2034 (\$ billion)

9.5 Latin America Bioinformatics Services Market Future By End User, 2024- 2034 (\$ billion)

9.6 Latin America Bioinformatics Services Market Future by Country, 2024- 2034 (\$ billion)

9.6.1 Brazil Bioinformatics Services Market Size, Share and Opportunities to 2034

9.6.2 Argentina Bioinformatics Services Market Size, Share and Opportunities to 2034

## **10. MIDDLE EAST AFRICA BIOINFORMATICS SERVICES MARKET OUTLOOK AND GROWTH PROSPECTS**

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Bioinformatics Services Market Statistics By Service, 2024-2034 (USD billion)

10.3 Middle East Africa Bioinformatics Services Market Statistics By Specialty, 2024-2034 (USD billion)

10.4 Middle East Africa Bioinformatics Services Market Statistics By Application, 2024-2034 (USD billion)

10.5 Middle East Africa Bioinformatics Services Market Statistics By Application, 2024-2034 (USD billion)

10.6 Middle East Africa Bioinformatics Services Market Statistics by Country, 2024-2034 (USD billion)

10.6.1 Middle East Bioinformatics Services Market Value, Trends, Growth Forecasts to 2034

10.6.2 Africa Bioinformatics Services Market Value, Trends, Growth Forecasts to 2034

## **11. BIOINFORMATICS SERVICES MARKET STRUCTURE AND COMPETITIVE LANDSCAPE**

11.1 Key Companies in Bioinformatics Services Industry

11.2 Bioinformatics Services Business Overview

11.3 Bioinformatics Services Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

## **12 APPENDIX**

12.1 Global Bioinformatics Services Market Volume (Tons)

12.1 Global Bioinformatics Services Trade and Price Analysis

12.2 Bioinformatics Services Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Bioinformatics Services Industry Report Sources and Methodology

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