

Veterinary AI & Predictive Analytics Market Forecasts to 2032 - Global Analysis By Component (Software, Hardware and Services), Solution, Animal Type, Deployment Mode, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Veterinary AI & Predictive Analytics Market is accounted for \$1.85 billion in 2025 and is expected to reach \$6.06 billion by 2032 growing at a CAGR of 18.4% during the forecast period. Veterinary AI & Predictive Analytics refers to the application of artificial intelligence, machine learning, and data analytics technologies to veterinary medicine for anticipating, diagnosing, and managing animal health conditions. It combines historical and real-time data from clinical records, imaging, genetics, wearables, and farm systems to predict disease risks, treatment outcomes, and productivity trends. Rooted in traditional veterinary science yet powered by modern algorithms, these tools enable early intervention, personalized treatment planning, population health management, and operational efficiency across companion animal care, livestock management, and animal research, ultimately improving animal welfare, reducing costs, and supporting evidence-based veterinary decision-making.

Market Dynamics:

Driver:

Rising Pet Ownership & Demand for Advanced Care

Rising pet ownership and the growing emotional bond between owners and animals are reshaping veterinary care expectations. Pet parents increasingly seek early diagnosis, precision treatment, and preventive healthcare similar to human medicine. This shift

drives adoption of AI-powered diagnostics, predictive analytics, and decision-support tools that enhance accuracy and speed. In parallel, livestock producers are adopting predictive technologies to reduce disease outbreaks, optimize herd health, improve productivity, and lower mortality rates, accelerating overall market growth.

Restraint:

High Implementation Costs

High implementation costs remain a key restraint, particularly for small and mid-sized veterinary clinics. Deployment of AI and predictive analytics requires significant investments in software platforms, advanced hardware, data storage, and skilled professionals. Integration with existing legacy systems further increases costs. Additionally, ongoing expenses related to maintenance, cybersecurity, and system upgrades deter widespread adoption, especially in price-sensitive regions and traditional practices with limited digital readiness.

Opportunity:

Advancements in technology

Continuous advancements in artificial intelligence, machine learning, cloud computing, and data analytics present strong growth opportunities. Improved image recognition, predictive modeling, and real-time analytics are enhancing diagnostic accuracy and operational efficiency. Cloud-based platforms and subscription models are lowering entry barriers for smaller practices. As technology matures and becomes more cost-effective, adoption across companion animal care, livestock management, and research institutions is expected to accelerate significantly.

Threat:

Data Privacy & Security Concerns

Data privacy and security concerns pose a significant threat to market growth. Veterinary AI systems handle sensitive clinical records, genetic data, and operational information, making them vulnerable to cyberattacks and data breaches. Inconsistent regulatory frameworks across regions complicate compliance and increase legal risks. Fear of data misuse, loss of client trust, and potential financial penalties can discourage veterinary organizations from adopting AI-driven solutions at scale.

Covid-19 Impact:

The COVID-19 pandemic had a mixed impact on the Veterinary AI & Predictive Analytics market. While initial disruptions affected clinic operations and delayed technology investments, the crisis accelerated digital adoption. Tele-veterinary services, remote diagnostics, and AI-driven monitoring gained prominence during lockdowns. The pandemic highlighted the importance of predictive analytics for continuity of care, workforce efficiency, and proactive disease management, strengthening long-term market adoption trends.

The diagnostic laboratories segment is expected to be the largest during the forecast period

The diagnostic laboratories segment is expected to account for the largest market share during the forecast period, due to its heavy dependence on high-volume data processing and advanced diagnostic accuracy. AI-driven image analysis, pathology interpretation, and predictive disease detection significantly reduce turnaround time and human error. Centralized laboratories benefit from economies of scale, making AI investments financially viable. Growing demand for early detection, preventive screening, and precision diagnostics further strengthens the dominance of this segment across companion and livestock health.

The software segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the software segment is predicted to witness the highest growth rate, due to rising adoption of cloud-based AI platforms and predictive analytics tools. Software solutions offer scalability, lower upfront costs, and continuous algorithm improvements compared to hardware. Increasing use of AI for clinical decision support, workflow optimization, population health monitoring, and remote diagnostics is accelerating demand. Subscription-based deployment models are further enabling rapid penetration across small clinics and large veterinary networks alike.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to rapid growth in livestock populations, rising pet adoption, and expanding veterinary infrastructure. Increasing focus on food security, disease surveillance, and productivity optimization is driving adoption of AI-based solutions. Government

initiatives supporting digital agriculture and animal health monitoring, particularly in China, India, and Japan, further reinforce the region's leadership in market share.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to early adoption of advanced veterinary technologies and strong presence of AI solution providers. High veterinary healthcare spending, widespread pet insurance coverage, and mature digital infrastructure support rapid deployment. Strategic partnerships, continuous innovation, and strong awareness of predictive, data-driven veterinary care are accelerating adoption across clinics, diagnostic laboratories, and research institutions.

Key players in the market

Some of the key players in Veterinary AI & Predictive Analytics Market include IDEXX Laboratories, Inc., One Health Group, Zoetis Inc., Animal Dynamics, Antech Diagnostics, FuturePet, SignalPET, AIGenics, Vetology AI, Vetspire, PetDx, VetCT, Petriage, Vetscan AI and TeleVet.

Key Developments:

In June 2025, Zoetis has entered a long-term consulting partnership with Infosys, where the IT firm will integrate advanced AI and automation into Zoetis' digital systems to boost operational efficiency, agility, and innovation, helping the animal health leader responds to evolving industry and customer needs.

In February 2024, Zoetis and Blacksmith Medicines have launched a research collaboration to discover and develop novel antibiotics for animal health, aiming to reduce reliance on antibiotic classes shared with human medicine and provide new treatment options for life-threatening infections in livestock.

Components Covered:

Software

Hardware

Services

Solutions Covered:

- AI Platforms
- On-Premises Solutions
- Predictive Analytics Tools
- Cloud-Based Solutions

Animal Types Covered:

- Companion Animals
- Equine
- Livestock
- Other Animal Types

Deployment Modes Covered:

- On Premises
- Cloud

Applications Covered:

- Imaging & Radiology
- Treatment Planning
- Identification & Disease Prediction

Monitoring & Tracking

Livestock Management Systems

Research & Development

End Users Covered:

Veterinary Hospitals & Clinics

Academic Institutions

Diagnostic Laboratories

Research Institutes

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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