

Pet Orthopedic Care Market Forecasts to 2034 – Global Analysis By Product Type (Implants, Instruments, Consumables, Orthotics & Prosthetics, and Rehabilitation Devices), Animal Type, Indication, Procedure Type, End User, and By Geography

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Abstracts

According to Statistics MRC, the Global Pet Orthopedic Care Market is accounted for \$4.2 billion in 2026 and is expected to reach \$8.0 billion by 2034 growing at a CAGR of 8.4% during the forecast period. Pet orthopedic care encompasses the diagnosis, treatment, and management of musculoskeletal conditions in companion animals, including fractures, ligament injuries, arthritis, and congenital deformities. This market includes surgical interventions, therapeutic devices, orthopedic implants, regenerative medicine therapies, and rehabilitation services designed to restore mobility and alleviate pain. Rising pet ownership, combined with increasing willingness among pet owners to invest in advanced medical treatments, is driving substantial growth as pets are increasingly regarded as family members deserving of high-quality healthcare comparable to human medicine.

Market Dynamics:

Driver:

Rising pet humanization and increasing pet health expenditure

Pet owners across developed and emerging economies are treating their companion animals as family members, leading to unprecedented spending on advanced medical procedures. Orthopedic surgeries that were once considered too expensive or specialized are now routinely performed, with owners willing to spend thousands of dollars on cruciate ligament repairs, hip replacements, and fracture fixations. Veterinary practices are expanding their surgical capabilities in response to this demand, while pet insurance adoption reduces financial barriers for owners. This emotional connection between humans and their pets directly translates into market growth, as owners seek

the same quality of orthopedic care for their animals that they would expect for themselves.

Restraint:

High cost of orthopedic surgeries and postoperative care

The substantial financial burden associated with pet orthopedic procedures remains a significant barrier for many pet owners, limiting market penetration despite growing awareness. Comprehensive cruciate ligament repair can cost between one thousand and five thousand dollars, while total hip replacements may exceed seven thousand dollars, excluding preoperative diagnostics and lengthy rehabilitation. Postoperative care requirements, including physical therapy, pain management medications, and follow-up imaging, add considerable ongoing expenses. Pet insurance coverage varies widely, with many plans excluding pre-existing conditions or imposing annual limits. Economic downturns disproportionately affect this market segment as owners may opt for conservative management rather than surgical intervention.

Opportunity:

Advancements in veterinary regenerative medicine and minimally invasive techniques Emerging therapies such as stem cell treatments, platelet-rich plasma injections, and arthroscopic procedures are revolutionizing pet orthopedic care by offering less invasive alternatives to traditional open surgeries. These approaches reduce recovery times, minimize postoperative complications, and lower overall treatment costs, making orthopedic care more accessible to a broader range of pet owners. Regenerative medicine particularly benefits conditions like osteoarthritis, where stem cells can delay or prevent joint replacement surgery. Veterinary specialty hospitals are rapidly adopting these technologies, and ongoing research continues to expand indications. As techniques become standardized and more widely available, this segment presents substantial growth potential across both developed and developing veterinary markets.

Threat:

Shortage of veterinary orthopedic specialists and specialized facilities

The limited number of board-certified veterinary surgeons and equipped referral centers creates significant access challenges, particularly in rural and underserved regions. Training a veterinary orthopedic specialist requires years of additional education beyond veterinary school, and the number of new specialists entering practice annually fails to keep pace with rising demand. Long waiting times for consultations and surgeries can lead to disease progression or owner frustration, potentially resulting in euthanasia for treatable conditions. Small animal practices without onsite surgical capabilities must refer patients to distant facilities, adding travel burdens and stress for both pets and owners. This supply-demand imbalance constrains market growth and creates regional disparities in care quality.

Covid-19 Impact:

The COVID-19 pandemic had a paradoxical effect on the pet orthopedic care market, with initial disruptions followed by sustained acceleration. Lockdowns led to a surge in pet adoptions and fostered deeper human-animal bonds, creating a larger addressable market for orthopedic services. However, deferred non-urgent surgeries during peak pandemic periods created backlogs that are still being resolved. Telehealth adoption for postoperative follow-ups and rehabilitation guidance expanded access to specialist advice. Remote work arrangements gave owners more flexibility to manage recovery protocols at home, making complex surgeries more feasible. Overall, the pandemic permanently elevated the baseline for pet healthcare investment, benefiting the orthopedic segment.

The Dogs segment is expected to be the largest during the forecast period

The Dogs segment is expected to account for the largest market share during the forecast period, driven by the species' high prevalence of orthopedic conditions and the strong emotional bond between dogs and their owners. Large and giant breeds are particularly susceptible to hip dysplasia, cruciate ligament tears, and osteoarthritis, while active working and sporting dogs frequently sustain traumatic injuries requiring surgical intervention. The extensive range of available orthopedic interventions, from conservative management to total joint replacement, is most developed for canine patients. Veterinary orthopedic specialization has historically focused on dogs, resulting in the most robust clinical evidence and surgical expertise for this animal type, ensuring its continued market dominance.

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

Over the forecast period, the Hip Dysplasia segment is predicted to witness the highest growth rate, reflecting the expanding recognition and treatment of this common developmental condition across multiple species. Advances in early screening protocols, including PennHIP radiography, enable identification of at-risk puppies before clinical signs appear, facilitating preventive interventions. Juvenile pubic symphysiodesis and other minimally invasive procedures for young dogs are gaining acceptance as alternatives to waiting for end-stage arthritis. Total hip replacement techniques have matured, with improved implant designs and reduced complication rates. The growing popularity of large-breed dogs, combined with increased owner awareness of genetic screening, positions hip dysplasia treatment as the fastest-growing indication segment.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, supported by the highest per capita pet healthcare spending globally and a well-established veterinary specialty infrastructure. The United States leads in the adoption of advanced orthopedic procedures, including total hip and knee

replacements, with numerous board-certified surgeons practicing across metropolitan areas. High pet insurance penetration rates, particularly among purebred and large-breed dog owners, reduce financial barriers. Strong pharmaceutical and medical device industries continuously introduce innovative implants and biologics. The region's culture of aggressive veterinary intervention, combined with regulatory pathways that facilitate new product approvals, ensures North America maintains its leadership position throughout the forecast period.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, driven by rapid growth in disposable incomes and rising pet ownership across emerging economies. China and India are witnessing a fundamental shift in pet-owner relationships, with increasing acceptance of advanced veterinary procedures including orthopedic surgeries. Veterinary education infrastructure is expanding, producing more specialists trained in modern surgical techniques. International pet healthcare companies are establishing regional headquarters and training centers in major cities, bringing best practices to local markets. The growing prevalence of purebred dogs, which are genetically predisposed to conditions like hip dysplasia, further accelerates demand. As awareness and affordability increase in tandem, Asia Pacific emerges as the fastest-growing regional market.

Key players in the market

Some of the key players in Pet Orthopedic Care Market include Zoetis Inc., Elanco Animal Health Incorporated, Dechra Pharmaceuticals PLC, Vetoquinol S.A., Boehringer Ingelheim International GmbH, Virbac, Orthomed (UK) Ltd., Kyon Pharma Inc., BioMedtrix LLC, B. Braun SE, Integra LifeSciences Holdings Corporation, Movora, Arthrex Inc., Stryker Corporation, and Hill's Pet Nutrition Inc.

Key Developments:

In April 2026, Arthrex Vet Systems highlighted the success of its orthopedic technology in complex trauma cases, specifically noting the recovery of "Whiskey," a rescue dog treated with Arthrex fracture systems at Pieper Memorial Veterinary Center.

In September 2025, Dechra expanded its AVMF Scholarship Program, specifically adding a new category focused on Anesthesia, Surgery, and Critical Care to address the shortage of specialized veterinary orthopedic support staff.

In July 2025, Movora and the AO Foundation signed a Memorandum of Understanding to collaborate on advancing veterinary orthopedic education beginning in 2026, targeting North America, Western Europe, and Japan.

Product Types Covered:

Implants

Instruments

Consumables

Orthotics & Prosthetics

Rehabilitation Devices

Animal Types Covered:

Dogs

Cats

Horses

Other Companion Animals

Indications Covered:

Osteoarthritis

Hip Dysplasia

Cruciate Ligament Injuries

Fractures & Trauma

Spinal Disorders

Congenital Conditions

Procedure Types Covered:

Joint Replacement

Fracture Fixation

Ligament Repair

Arthroscopy

Corrective Osteotomy

Other Procedures

End Users Covered:

Veterinary Hospitals

Veterinary Clinics

Specialty Orthopedic Centers

Rehabilitation Centers

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of 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 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

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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