

# **Orthopedic Imaging Equipment Market Size, Share & Trends Analysis Report By Modality (X-ray, MRI), By Indication (Trauma Cases, Bone Disorders), By End-use, By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

**This report can be delivered to the clients within 2 Business Days**

### **Orthopedic Imaging Equipment Market Growth & Trends**

The global orthopedic imaging equipment market size is estimated to reach USD 6.96 billion by 2030, registering growth at a CAGR of 5.15% from 2025 to 2030 according to a new report by Grand View Research, Inc. The major factors contributing to market growth include increasing cases of orthopedic disorders and injuries, technological advancements, and growing awareness as well as adoption of orthopedic imaging equipment. For instance, according to an article published by Osteoporosis Canada, one out of every three women and one out of every five men will experience an osteoporotic fracture during their lifetime. In addition, it stated that over 80% of fractures in people aged 50 and above are caused by osteoporosis.

These techniques help accurately identify and classify fractures, which, in turn, guides the treatment plan. Each modality has its unique features. X-ray is the most commonly used orthopedic imaging technique. MRI provides excellent visualization of soft tissues, making it ideal for assessing ligaments, tendons, cartilage, and other structures surrounding joints. CT provides superior imaging of bone structures, as it can easily identify bone overlap between images. Ultrasound imaging uses high-frequency sound waves to produce real-time images.

Technological advancements, such as handheld ultrasound, improved resolution, and

integration of AI with imaging modalities, are expected to boost market growth. For instance, in February 2023, Clarius Mobile Health announced that its MSK AI model had been granted FDA approval. The model incorporates advanced artificial intelligence (AI) technology to identify and measure tendons in the foot, ankle, and knee with high precision. Clarius Mobile Health is a renowned provider of high-definition handheld ultrasound systems.

Furthermore, companies operating in the market are working to improve their product offerings by upgrading their products, leveraging important cooperative drives, as well as considering acquisitions and government approvals these efforts are aimed at expanding their customer base and gaining a larger share of the market. For instance, in January 2024, Orthofix Medical Inc, a company specializing in spine and orthopedics, entered into a distribution agreement with MRI guidance to offer BoneMRI imaging software in the U.S.

### Orthopedic Imaging Equipment Market Report Highlights

The x-ray segment held the largest market share of over 32.41% in 2024. X-rays are a valuable diagnostic tool primarily utilized for detecting diseases and abnormalities within bone structures.

The trauma cases segment held the largest market share of more than 21.09% in 2024, owing to increasing sports injuries and accidents.

The hospitals segment dominated the market with a share of over 46.10% in 2024.

North America orthopedic imaging equipment market held the largest revenue share of 34.4% in 2024.

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