

Elastography Imaging Market Size, Share & Trends Analysis Report By Modality (Magnetic Resonance, Ultrasound), By Application (General Imaging, Hepatology, Cardiology, Breast), By End Use (Hospitals, Imaging Centers), and Segment Forecasts, 2025 - 2030

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Abstracts

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Elastography Imaging Market Growth & Trends

The global elastography imaging market size is estimated to reach USD 3.47 billion by 2030, expanding at a CAGR of 7.32% from 2025 to 2030, according to a new report by Grand View Research, Inc. Increasing incidence of breast cancer and chronic liver disorders is expected to significantly drive the market. Additionally, increasing demand for minimally-invasive procedures and ongoing studies to assess the potential applications of elastography are factors expected to contribute toward rapid growth.

Currently elastography has wide applications in assessing breasts, thyroid, prostate, and liver. Increasing number of ongoing studies are expected to increase its applications in diagnosis of various conditions such as neurodegenerative disorders and chronic kidney diseases. It has shown promising results for its use in assessment of kidney health during and after transplantation.

North America dominated the market in 2023 and is expected to continue its dominance during the forecast period. The elastography imaging market growth observed in the region is due to the presence of a large number of global players, along with high adoption rate for advanced imaging techniques.

Growing strategic alliances among players for development and distribution of products

is expected to propel the market during the forecast period. Moreover, development of new surgical centers in different locations will increase the adoption of advanced imaging systems.

Elastography Imaging Market Report Highlights

By modality, the ultrasound segment is predicted to register significant growth during the forecast period owing to advantages such as low price, accessibility, and high degree of measurement for tissue deformation.

On the basis of end use, the hospital segment is anticipated to hold the largest share in the market during the forecast period due to rising number of ultrasound and MRI-based elastography procedures and growing trends of hospital-based imaging facilities.

By way of application, the radiology domain is predicted to hold a large share in the market over the forecast period owing to increase in demand in image-guided radiotherapy and radiology ultrasound.

Asia Pacific is anticipated to witness lucrative growth during the forecast period due to improving healthcare facilities and rising geriatric population who are prone to developing targeted disorders.

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