

Cardiovascular Ultrasound Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Cardiovascular Ultrasound Market Summary

Introduction

Cardiovascular ultrasound systems, including transthoracic, transesophageal, and fetal echocardiography, are critical for diagnosing cardiovascular diseases (CVDs), which cause 20.5 million deaths annually. The market is driven by rising CVD risk factors like hypertension (1.3 billion cases) and diabetes (600 million cases), alongside aging populations and congenital heart disease (1.3 million newborns yearly). Innovations like AI guidance and portable systems enhance accessibility. The global market is projected to reach between USD 1.5 billion and USD 2.2 billion in 2025, with a CAGR of 4.6% to 6.9% through 2030.

Regional Analysis

North America: The U.S. leads with high CVD rates, while Canada focuses on elderly diagnostics.

Europe: Germany, France, and the UK drive demand due to advanced imaging.

Asia Pacific: China and India see growth from rising chronic diseases, while Japan emphasizes fetal care.

Rest of the World: Brazil expands cardiac services, and the Middle East invests in diagnostics.

Application Analysis

Hospitals: Expected growth of 4.7%-7.0%, driven by acute care. Trends focus on integration.

Diagnostic Centers: Projected growth of 4.6%-6.9%, linked to routine screening. Developments emphasize precision.

Ambulatory Care Centers: Anticipated growth of 4.8%-7.1%, suited for outpatient use. Advances prioritize portability.

Others: Expected growth of 4.5%-6.8%, covering niche uses. Trends lean toward accessibility.

Type Analysis

Transthoracic Echocardiography: Expected growth of 4.6%-6.9%, valued for routine use. Trends highlight AI enhancements.

Transesophageal Echocardiography: Projected growth of 4.7%-7.0%, key for detailed imaging. Advances focus on resolution.

Fetal Echocardiography: Anticipated growth of 4.8%-7.1%, driven by congenital cases. Innovations emphasize early detection.

Others: Expected growth of 4.5%-6.8%, covering specialized types. Trends prioritize versatility.

Key Market Players

Leading firms include Philips, offering advanced imaging; Siemens Healthineers, enhancing diagnostics; Canon Medical Systems, focusing on resolution; Mindray Medical, scaling solutions; Samsung Medison, targeting fetal care; Esaote, boosting portability; FUJIFILM SonoSite, launching ALOKA; Konica Minolta, advancing tech; and Trivitron Healthcare, expanding in India.

Porter's Five Forces Analysis

Threat of New Entrants: Moderate, due to tech and regulatory barriers, though AI innovators can enter.

Threat of Substitutes: Low, as ultrasound is essential for non-invasive CVD diagnosis with no direct alternatives.

Bargaining Power of Buyers: Moderate, with facilities seeking reliable, cost-effective systems, though clinical needs limit options.

Bargaining Power of Suppliers: Low, with multiple component providers.

Competitive Rivalry: High, with competition on AI, portability, and resolution.

Market Opportunities and Challenges

Opportunities:

CVDs (20.5 million deaths) and risk factors (1.3 billion hypertension cases) drive demand.

Aging populations (2.1 billion over 60 by 2050) boost needs, while AI and portable systems enhance adoption.

Fetal cases (1.3 million) increase usage.

Challenges:

High costs of advanced systems limit access in low-income regions.

Regulatory delays for AI tech slow growth.

Limited sonographers in rural areas restrict expansion.

Market News

In August 2024, the FDA cleared UltraSight's AI-powered cardiac ultrasound software.

In February 2024, FUJIFILM India launched the ALOKA ARIETTA 850 in Bengaluru.

In April 2022, Trivitron Healthcare opened a second ultrasound facility in Mumbai.

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