

# **Cardiovascular Echocardiography Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Type (Transthoracic Echocardiography, Transesophageal Echocardiography, Stress Echocardiography, and Fetal Echocardiography), Technology (2D Echocardiogram, 3D Echocardiogram, and Doppler), End User (Hospitals, Ambulatory Surgery Centers, and Diagnostic Labs), and Geography (North America, Europe, Asia Pacific, Middle East & Africa, and South & Central America)**

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## **Abstracts**

The cardiovascular echocardiography market size is expected to grow from US\$ 143.72 billion in 2022 to US\$ 200.00 billion by 2030; it is projected to register a CAGR of 4.2% during 2022-2030.

Cardiovascular echocardiography is a test that uses sound waves to create images of the heart. This testing procedure is usually performed on patients with suspected or known heart diseases. The test is painless and reveals the condition of the heart; the image shows the size, shape, chambers, and valves of the heart and their functioning. The cardiovascular echocardiogram can also identify parts of the heart that are not contracting properly. The injuries from the earlier heart attack can be clearly visualized using echocardiographs. The commonly used diagnostic test for detecting cardiac disorders is transthoracic cardiac ultrasound owing to its non-invasive nature. The cardiovascular echocardiography market growth is attributed to the rising burden of

cardiovascular diseases and the advantages of echocardiographic devices over other cardiac diagnostic procedures. However, challenges associated with the use of echocardiography devices hinder the growth of the cardiovascular echocardiography market.

### Type-Based Insights

Based on technology, the cardiovascular echocardiography market is categorized into 2D echocardiogram, 3D echocardiogram, and Doppler. The 3D echocardiogram segment held a significant cardiovascular echocardiography market share in 2022. The segment is estimated to register the highest CAGR during the forecast period. The 3D echocardiogram captures three-dimensional images of the heart structures and is used to improve image quality and reader confidence and assess structure and functionality. With measurements made while the heart is beating, the real-time images offer a more accurate evaluation of cardiac function. The best course of treatment for a patient with heart disease can be decided with the 3-D echo, which provides improved images of the heart's anatomy. Over the past two decades, advancements in computer and transducer technologies have allowed the development of 3D echocardiography, which provides significant additional clinical information to traditional 2D echocardiography. Compared to 2D echocardiography, 3D echocardiography offers numerous benefits, such as better quantitation of cardiac volumes, mass, and function, better display and assessment of valve dysfunction; and shorter image acquisition times. It also allows for improved visualization of complex shapes and spatial relations between cardiac structures, which positively influences the growth of the cardiovascular echocardiography market.

### Indication-Based Insights

Based on end user, the cardiovascular echocardiography market is segmented into hospitals, ambulatory surgery centers, and diagnostic labs. The hospitals segment held a significant market share in 2022 and is expected to register the highest CAGR during 2022–2030.

The US Food and Drug Administration, the World Health Organization, and the Centers for Disease Control and Prevention are among the primary and secondary sources referred to while preparing the cardiovascular echocardiography market report.

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