

The Cardiovascular Genetic Testing Market is Projected to Grow to \$6.62 Billion by 2030 at an 11% CAGR

The Business Research Company's Cardiovascular Genetic Testing Global Market Report 2026 – Market Size, Trends, And Forecast 2026-2035

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[/Einpresswire.com/](https://www.einpresswire.com/) -- [The field of cardiovascular genetic testing](#) is

gaining significant attention as advancements in technology and growing healthcare needs drive its expansion. This market is evolving quickly, supported by increasing awareness of genetic factors in heart health and innovations in diagnostic methods. Let's explore the current market outlook, key growth drivers, major regional players, and future trends shaping this important healthcare segment.

Cardiovascular Genetic Testing Market Size and Projected Growth from 2026 to 2030

The cardiovascular genetic testing market has experienced rapid growth recently, with its size rising from \$3.93 billion in 2025 to an anticipated \$4.35 billion in 2026, representing a compound annual growth rate (CAGR) of 10.8%. This historical expansion is largely due to heightened awareness about inherited cardiovascular conditions, the broadening capabilities of molecular diagnostics, lower costs for genetic sequencing, increased utilization of genetic counseling, and intensified research efforts in cardiovascular genomics.

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Looking ahead, this market is set for even faster growth, expected to reach \$6.62 billion by 2030 with a CAGR of 11.0%. The acceleration is driven by growing demand for precision medicine, broader acceptance of population-wide genetic screening, advancements in AI-supported variant interpretation, deeper integration of genomics into clinical care decisions, and a stronger emphasis on preventive cardiovascular health. Emerging trends during this period include wider use of predictive genetic risk assessments, multigene panel tests, bioinformatics and AI analytics,



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expansion in pharmacogenomic applications, and a dedicated focus on delivering personalized cardiovascular treatments.

[Understanding Cardiovascular Genetic Testing and Its Clinical Importance](#)

Cardiovascular genetic testing involves analyzing an individual's DNA to detect inherited genetic variations that raise the risk of heart and vascular diseases. This testing plays a crucial role in enabling early diagnosis, tailoring treatments to the individual, and developing targeted prevention strategies. It assists healthcare providers in assessing disease susceptibility, guiding medication choices, evaluating family risk profiles, and fostering proactive management of cardiovascular conditions through precision medicine approaches.

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Key Factors Fueling Growth in the Cardiovascular Genetic Testing Market

One of the main forces propelling the cardiovascular genetic testing market is the rising prevalence of cardiovascular diseases (CVDs), which encompass heart attacks, strokes, hypertension, and other disorders affecting the heart and blood vessels. The increase in these conditions is primarily linked to lifestyle changes such as more sedentary behavior that comes with urbanization, contributing to obesity, high blood pressure, and metabolic issues. This surge in cardiovascular disease cases is boosting demand for genetic testing, as early identification of genetic risks helps customize prevention and treatment plans, reducing the chances of severe heart complications.

For example, in January 2024, the American Heart Association, a prominent US non-profit organization, reported that the age-adjusted death rate from cardiovascular disease rose to 233.3 per 100,000 people in 2024, marking a 4.0% increase from 224.4 per 100,000 in 2023. Such statistics reflect the growing burden of cardiovascular conditions and the accompanying need for advanced diagnostic tools like genetic testing.

Regional Leadership and Growth Prospects in the Cardiovascular Genetic Testing Market

In 2025, North America held the leading position in the cardiovascular genetic testing market, commanding the largest regional share. Meanwhile, the Asia-Pacific region is projected to be the fastest-growing market throughout the forecast period. The report on this market includes detailed analyses of key regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of global market dynamics.

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