

Europe Cardiac AI Monitoring and Diagnostics Market - Analysis and Forecast, 2023-2032

<https://marketpublishers.com/r/E2329236A2DDEN.html>

Date: December 2023

Pages: 133

Price: US\$ 2,950.00 (Single User License)

ID: E2329236A2DDEN

Abstracts

This report will be delivered in 3-5 working days.

Introduction to Europe Cardiac AI Monitoring and Diagnostics Market

The Europe cardiac AI monitoring and diagnostics market was valued at \$275.6 million in 2022 and is anticipated to reach \$3,199.9 million by 2032, witnessing a CAGR of 28.09% during the forecast period 2023-2032. The high prevalence of cardiovascular diseases worldwide, rising government initiatives for AI adoption, expanding research in the field of AI for cardiology, rising regulatory approvals of cardiac diagnostics AI medical devices, and technological advancements in the field of cardiac AI diagnostics are the main factors propelling the growth of the Europe market for cardiac AI monitoring and diagnostics.

Market Introduction

The market for cardiac AI monitoring and diagnostics in Europe has grown and advanced significantly in recent years. Cardiologists are using artificial intelligence (AI) technology more and more to improve diagnoses and monitoring for a range of heart diseases.

Vast volumes of patient data, like as electrocardiograms (ECGs), imaging scans, and patient histories, can be analyzed by AI-powered cardiac monitoring systems in order to find and identify anomalies or possible cardiac diseases. These technologies can enhance patient outcomes, offer prompt and accurate diagnoses, and support healthcare personnel in making decisions by utilizing AI algorithms and machine learning.

There are many benefits of using AI in cardiac monitoring and diagnostics. It makes patient data analysis more thorough and efficient, which helps identify cardiac problems early on, which is essential for prompt intervention and treatment. In addition, AI algorithms can help with risk management and stratification by locating high-risk patients and enhancing treatment regimens.

Furthermore, telehealth applications in the field of cardiology and remote monitoring are made possible by AI technology. AI-enabled wearables and sensors can send real-time data to healthcare providers while continuously monitoring a patient's heart parameters. This enhances patient access to care and lowers healthcare costs by enabling remote management of chronic illnesses, early detection of arrhythmias or cardiac events, and remote monitoring of high-risk patients.

Technology businesses, healthcare providers, and research organizations are investing heavily and collaborating in the European cardiac AI monitoring and diagnostics industry. A favorable regulatory environment, rising cardiovascular disease prevalence, and growing demand for sophisticated cardiac monitoring and diagnostics are propelling the market expansion in the area.

But there are still issues to be resolved, like worries about data security and privacy, a lack of compatibility between various AI systems, and the requirement for thorough assessment and legal clearance of AI algorithms. Standardized methods and recommendations for the application of AI in cardiac monitoring and diagnostics are being developed in order to guarantee patient safety and encourage broad adoption among European nations.

Market Segmentation:

Segmentation 1: by Product

Software

Hardware

Segmentation 2: by Type

Cardiac Diagnostics

Imaging

ECG-Based

Others

Cardiac Monitoring

Segmentation 3: by Application

Ischemic Heart Disease/CAD

Cardiac Arrhythmias

Ischemic Stroke

Others

Segmentation 4: by End User

Hospitals

Diagnostic Centers

Other End Users

Segmentation 5: by Country

Germany

U.K.

France

Spain

Italy

Rest-of-Europe

How Can This Report Add Value to an Organization?

Product/Innovation Strategy: The Europe cardiac AI monitoring and diagnostics market has been extensively segmented based on various categories, such as products, types, applications, end users, and regions. This can help readers get a clear overview of which segments account for the largest share and which ones are well-positioned to grow in the coming years.

Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on inputs gathered from primary experts and analyzing company coverage, product portfolio, and regional presence.

Some of the prominent names in this market are:

Koninklijke Philips N.V.

Medicalgorithmics S.A.

Siemens Healthineers AG

Ultromics Limited.

Contents

1 MARKET

1.1 Market Outlook

1.1.1 Product Definition

1.1.2 Inclusion Criteria

1.1.3 Exclusion Criteria

1.1.4 Overview

1.1.4.1 Market Size and Growth Potential

2 INDUSTRY OUTLOOK

2.1 Key Trends

2.1.1 Rising Number of Startups in the Market

2.1.2 Increased Awareness Regarding Preventative Measures and Personalized Treatment

2.1.3 Growing Demand for Wearable Sensors for Cardiac Monitoring Leading to Increased Adoption of AI-Enabled Solutions for Home-Based Care

2.2 Opportunity Assessment

2.3 Regulatory Framework

2.3.1 Regulatory Framework for Artificial Intelligence-Based FDA-Approved Medical Devices and Algorithms

2.3.2 Regulatory Framework in the U.S.

2.3.3 Regulatory Framework in Europe

2.3.4 Regulatory Framework in Japan

2.3.5 Regulatory Framework in China

2.3.6 Regulatory Framework in the Other Countries

2.4 Patent Analysis

2.4.1 Awaited Technological Developments

2.4.1.1 Patent Analysis (by Country)

2.4.1.2 Patent Analysis (by Year)

2.5 Business Models

2.6 Case Studies

2.6.1 Case Study 1: Ultromics Limited

2.6.1.1 The EchoGo System

2.6.1.1.1 Development

2.6.1.1.2 Use Case and Reliability

2.6.1.2 A Success Story

- 2.6.1.3 Partners and Recognitions
- 2.6.2 Case Study 2: CorVista Health, Inc.
 - 2.6.2.1 The CorVista System
 - 2.6.2.2 A Success Story
- 2.7 Ongoing Clinical Trials
- 2.8 Funding Scenario
- 2.9 End User Perception
- 2.1 Entry Barriers for New Entrants

3 REGIONS

- 3.1 Europe Cardiac AI Monitoring and Diagnostics Market
 - 3.1.1 Key Findings and Opportunity Assessment
 - 3.1.2 Digital Adoption
 - 3.1.3 Market Dynamics
 - 3.1.3.1 Impact Analysis
 - 3.1.4 Market Sizing and Forecast
 - 3.1.4.1 Europe Cardiac AI Monitoring and Diagnostics Market (by Product)
 - 3.1.4.2 Europe Cardiac AI Monitoring and Diagnostics Market (by Type)
 - 3.1.4.2.1 Europe Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics)
 - 3.1.4.3 Europe Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.4 Europe Cardiac AI Monitoring and Diagnostics Market (by End User)
 - 3.1.4.5 Europe Cardiac AI Monitoring and Diagnostics Market (by Country)
 - 3.1.4.5.1 Germany
 - 3.1.4.5.1.1 Market Dynamics
 - 3.1.4.5.1.2 Market Size and Forecast
 - 3.1.4.5.1.2.1 Germany Cardiac AI Monitoring and Diagnostics Market (by Product)
 - 3.1.4.5.1.2.2 Germany Cardiac AI Monitoring and Diagnostics Market (by Type)
 - 3.1.4.5.1.2.2.1 Germany Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics)
 - 3.1.4.5.1.2.2.3 Germany Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.5.1.2.2.4 Germany Cardiac AI Monitoring and Diagnostics Market (by End User)
 - 3.1.4.5.1.2.3 Germany Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.5.1.2.4 Germany Cardiac AI Monitoring and Diagnostics Market (by End User)
 - 3.1.4.5.2 U.K.
 - 3.1.4.5.2.1 Market Dynamics
 - 3.1.4.5.2.2 Market Size and Forecast

- 3.1.4.5.2.2.1 U.K. Cardiac AI Monitoring and Diagnostics Market (by Product)
- 3.1.4.5.2.2.2 U.K. Cardiac AI Monitoring and Diagnostics Market (by Type)
 - 3.1.4.5.2.2.2.1 U.K. Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics)
 - 3.1.4.5.2.2.2.3 U.K. Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.5.2.2.2.4 U.K. Cardiac AI Monitoring and Diagnostics Market (by End User)
- 3.1.4.5.3 France
 - 3.1.4.5.3.1 Market Dynamics
 - 3.1.4.5.3.2 Market Size and Forecast
 - 3.1.4.5.3.2.1 France Cardiac AI Monitoring and Diagnostics Market (by Product)
 - 3.1.4.5.3.2.2 France Cardiac AI Monitoring and Diagnostics Market (by Type)
 - 3.1.4.5.3.2.2.1 France Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics)
 - 3.1.4.5.3.2.2.3 France Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.5.3.2.2.4 France Cardiac AI Monitoring and Diagnostics Market (by End User)
- 3.1.4.5.4 Italy
 - 3.1.4.5.4.1 Market Dynamics
 - 3.1.4.5.4.2 Market Size and Forecast
 - 3.1.4.5.4.2.1 Italy Cardiac AI Monitoring and Diagnostics Market (by Product)
 - 3.1.4.5.4.2.2 Italy Cardiac AI Monitoring and Diagnostics Market (by Type)
 - 3.1.4.5.4.2.2.1 Italy Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics)
 - 3.1.4.5.4.2.2.3 Italy Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.5.4.2.2.4 Italy Cardiac AI Monitoring and Diagnostics Market (by End User)
- 3.1.4.5.5 Spain
 - 3.1.4.5.5.1 Market Dynamics
 - 3.1.4.5.5.2 Market Size and Forecast
 - 3.1.4.5.5.2.1 Spain Cardiac AI Monitoring and Diagnostics Market (by Product)
 - 3.1.4.5.5.2.2 Spain Cardiac AI Monitoring and Diagnostics Market (by Type)
 - 3.1.4.5.5.2.2.1 Spain Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics)
 - 3.1.4.5.5.2.2.3 Spain Cardiac AI Monitoring and Diagnostics Market (by Application)
 - 3.1.4.5.5.2.2.4 Spain Cardiac AI Monitoring and Diagnostics Market (by End User)
- 3.1.4.5.6 Rest-of-Europe
 - 3.1.4.5.6.1 Market Size and Forecast
 - 3.1.4.5.6.1.1 Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by Product)
 - 3.1.4.5.6.1.2 Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by

Type)

3.1.4.5.6.1.2.1 Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market
(by Cardiac Diagnostics)

3.1.4.5.6.1.3 Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by
Application)

3.1.4.5.6.1.4 Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by
End User)

4 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

4.1 Cardiac AI Monitoring and Diagnostics Active Players Ecosystem

4.2 Key Strategies and Developments

4.2.1 Regulatory and Legal Activities

4.2.2 Partnerships, Alliances, and Business Expansions

4.2.3 Funding Activities

4.2.4 New Offerings

4.2.5 Mergers and Acquisitions

4.3 Company Profiles

4.3.1 Koninklijke Philips N.V.

4.3.1.1 Company Overview

4.3.1.2 Role of Koninklijke Philips N.V. in the Cardiac AI Monitoring and Diagnostics
Market

4.3.1.3 Financials

4.3.1.4 Key Developments

4.3.1.5 Analyst Perception

4.3.2 Medicalgorithmics S.A.

4.3.2.1 Company Overview

4.3.2.2 Role of Medicalgorithmics S.A. in the Cardiac AI Monitoring and Diagnostics
Market

4.3.2.3 Key Developments

4.3.2.4 Analyst Perception

4.3.3 Siemens Healthineers AG

4.3.3.1 Company Overview

4.3.3.2 Role of Siemens Healthineers AG in the Cardiac AI Monitoring and
Diagnostics Market

4.3.3.3 Financials

4.3.3.4 Analyst Perception

4.3.4 Ultromics Limited.

4.3.4.1 Company Overview

4.3.4.2 Role of Ultramics Limited. in the Cardiac AI Monitoring and Diagnostics Market

4.3.4.3 Key Developments

4.3.4.4 Analyst Perception

List Of Figures

LIST OF FIGURES

- Figure 1: AI in Cardiac Monitoring and Diagnosis
- Figure 2: Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032
- Figure 3: Cardiac AI Monitoring and Diagnostics Market, Market Dynamics
- Figure 4: Key Trends in the Cardiac AI Monitoring and Diagnostics Market
- Figure 5: Entry Barriers for New Entrants
- Figure 6: Cardiac AI Monitoring and Diagnostics Market Share (by Product), 2022 and 2032
- Figure 7: Cardiac AI Monitoring and Diagnostics Market Share (by Type), 2022 and 2032
- Figure 8: Cardiac AI Monitoring and Diagnostics Market Share (by Application), 2022 and 2032
- Figure 9: Cardiac AI Monitoring and Diagnostics Market Share (by End Users), 2022 and 2032
- Figure 10: Cardiac AI Monitoring and Diagnostics Market (by Region), \$Million, 2022
- Figure 11: Key Developments and Strategies Analysis, January 2020-June 2023
- Figure 12: Cardiac AI Monitoring and Diagnostics Market: Research Methodology
- Figure 13: Primary Research Methodology
- Figure 14: Bottom-Up Approach (Segment-Wise Analysis)
- Figure 15: Top-Down Approach (Segment-Wise Analysis)
- Figure 16: Overview of the Role of AI in Cardiology
- Figure 17: Cardiac AI Monitoring and Diagnostics Market, Size and Growth Potential, \$Million, 2022-2032
- Figure 18: Cardiac AI Monitoring and Diagnostics Market, Key Trends
- Figure 19: Potential of AI for Processing Patient's Own Data
- Figure 20: Advantages of AI-Enabled Wearable Sensors for Cardiac Monitoring
- Figure 21: Cardiac AI Monitoring and Diagnostics Market, Key Trends, Opportunity Assessment, 2023-2032
- Figure 22: Regulatory Process for Medical Devices in the U.S.
- Figure 23: Cardiac AI Monitoring and Diagnostics Market, Patent Analysis (by Country), January 2018-June 2023
- Figure 24: Cardiac AI Monitoring and Diagnostics Market, Patent Analysis (by Year), January 2018-June 2023
- Figure 25: Different Types of Business Models in the AI in Healthcare Scenario
- Figure 26: Subscription-Based Model the Market is Shifting Towards
- Figure 27: Partners of Ultromics Limited

Figure 28: Ultromics Limited:Awards and Recognitions

Figure 29: The CorVista System

Figure 30: Cardiac AI Monitoring and Diagnostics Market, Quarterly Analysis of Funding Scenario, January 2020-June 2023

Figure 31: Cardiac AI Monitoring and Diagnostics Market, End User Perceptions

Figure 32: Entry Barriers for New Entrants

Figure 33: Recommendations to Tackle the Entry Barriers

Figure 34: Cardiac AI Monitoring and Diagnostics Market Share (by Region), 2022-2032

Figure 35: Europe Cardiac AI Monitoring and Diagnostics Market, Incremental Opportunity (by Country), \$Million, 2023-2032

Figure 36: Digital Competence Framework for Citizens Developed by the European Commission

Figure 37: Europe Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 38: Europe Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 39: Europe Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 40: Europe Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 41: Europe Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 42: Europe Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 43: Europe Cardiac AI Monitoring and Diagnostics Market (by Country), % Share, 2022 and 2032

Figure 44: Germany Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 45: Germany Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 46: Germany Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 47: Germany Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 48: Germany Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 49: Germany Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 50: U.K. Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 51: U.K. Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 52: U.K. Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 53: U.K. Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 54: U.K. Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 55: U.K. Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 56: France Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 57: France Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 58: France Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 59: France Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 60: France Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 61: France Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 62: Italy Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 63: Italy Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 64: Italy Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 65: Italy Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 66: Italy Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 67: Italy Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 68: Spain Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 69: Spain Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 70: Spain Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 71: Spain Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 72: Spain Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 73: Spain Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 74: Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market, \$Million, 2022-2032

Figure 75: Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by Product), \$Million, 2022-2032

Figure 76: Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by Type), \$Million, 2022-2032

Figure 77: Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by Cardiac Diagnostics), \$Million, 2022-2032

Figure 78: Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by Application), \$Million, 2022-2032

Figure 79: Rest-of-Europe Cardiac AI Monitoring and Diagnostics Market (by End User), \$Million, 2022-2032

Figure 80: Share of Key Developments and Strategies, January 2019-June 2023

Figure 81: Regulatory and Legal Activities (by Company), January 2019-June 2023

Figure 82: Partnerships, Alliances, and Business Expansions (by Company), January 2019-June 2023

Figure 83: Funding Activities (by Company), January 2019-June 2023

Figure 84: New Offerings (by Company), January 2019-June 2023

Figure 85: Mergers and Acquisitions (by Company), January 2019-June 2023

Figure 86: Koninklijke Philips N.V.: Overall Product Portfolio

Figure 87: Koninklijke Philips N.V.: Overall Financials, \$Million, 2020-2022

Figure 88: Koninklijke Philips N.V.: Net Revenue (by Segment), \$Million, 2020-2022

Figure 89: Koninklijke Philips N.V.: Revenue (by Region), \$Million, 2020-2022

Figure 90: Koninklijke Philips N.V.: R&D Expenditure, \$Million, 2022-2022

Figure 91: Medicalgorithmics S.A.: Overall Product Portfolio

Figure 92: Siemens Healthineers AG: Overall Product Portfolio

Figure 93: Siemens Healthineers AG: Overall Financials, \$Million, 2020-2022

Figure 94: Siemens Healthineers AG: Net Revenue (by Segment), \$Million, 2020-2022

Figure 95: Siemens Healthineers AG: Net Revenue (by Region), \$Million, 2020-2022

Figure 96: Siemens Healthineers AG: R&D Expenditure, \$Million, 2020-2022

Figure 97: Ultromics Limited.: Overall Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Regulatory Framework

Table 2: Key Questions Answered in the Report

Table 3: Startups Entering the Market

Table 4: Regulatory Framework of Different Countries

Table 5: Cardiac AI Monitoring and Diagnostics Market, Awaited Technological Developments

Table 6: CorVista Health Inc. Publications

Table 7: Cardiac AI Monitoring and Diagnostics Market, Ongoing Clinical Trials

Table 8: Investments and Fundings in Cardiac AI Monitoring and Diagnostics Market

Table 9: Europe Cardiac AI Monitoring and Diagnostics Market, Impact Analysis

Table 10: Cardiac AI Monitoring and Diagnostics Active Players Ecosystem

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