

Europe Left Ventricular Assist Device Market Forecast to 2028 - Regional Analysis - by Type of Flow (Pulsatile Flow and Non-Pulsatile Flow), Design (Implantable Ventricular Assist Devices and Transcutaneous Ventricular Assist Devices), and Application (Bridge to Transplantation, Destination Therapy, Bridge to Recovery, and Bridge to Candidacy)

<https://marketpublishers.com/r/EE5C88ECACC0EN.html>

Date: October 2023

Pages: 129

Price: US\$ 3,000.00 (Single User License)

ID: EE5C88ECACC0EN

Abstracts

The Europe left ventricular assist device market is expected to grow from US\$ 336.52 million in 2022 to US\$ 445.05 million by 2028. It is estimated to grow at a CAGR of 4.8% from 2022 to 2028.

Increased Use of Artificial Intelligence and Machine Learning in LVAD Drive Europe Left Ventricular Assist Device Market

The increased incidence of complications and adverse events associated with LVAD encouraged manufacturers to develop innovative technologies and integrate new technologies into the devices. In several cases, patients with LVAD devices experience right ventricle failure leading to blood buildup in veins and swelling. To reduce the failure, manufacturers have integrated artificial intelligence (AI) to monitor the right ventricle with LVAD. Therefore, any change in the right ventricle activity and function will be reported to the healthcare professional, reducing the chances of right ventricle failure and complications.

Furthermore, the increased use of machine learning (ML) for developing risk scores for

heart failure mortality provides an edge over conventional methods. Additionally, telemetry data analysis from wearable devices helps predict heart failure hospitalizations. Machine learning algorithms are used to assess tricuspid annulus excursion on 2D and 3D echocardiography, which helps in the assessment of right ventricle function. Moreover, machine learning-based algorithms use 3D echocardiographic images to study the right ventricle volume and ejection fraction, providing exact data and efficient automated analysis of heart function.

Therefore, the use of artificial intelligence and machine learning algorithms helps develop a risk prediction model based on right ventricle functions in end-stage heart failure patients with LVAD. The risk stratification for right ventricle failure is one of the significant factors that help determine the patients' survival. Therefore, the use of artificial intelligence and machine learning in LVAD is likely to emerge as a key trend in the left ventricle assist devices (LVAD) market during the forecast period.

Europe Left Ventricular Assist Device Market Overview

According to the UK Parliament's data, approximately one-fifth of the total UK population was aged 65 and above in 2019. Moreover, the number of people in this age group increased by 23% from 2009 to 2019, while the total UK population increased by only 7% during the same period. People aged 65 or above are highly prone to cardiovascular diseases and heart failure. With the increasing prevalence of heart failure, the waiting list for heart transplantation is long in the UK. According to a study by the British Heart Foundation, ~300 people were living with LVAD in the UK in 2019, while only ~100 people were living with LVAD in 2012. According to the data provided by the British Geriatrics Society, in 2020, ~1 million people in the UK were living with heart failure, and ~5% of the people admitted to hospitals for emergencies were suffering from heart failure. In 2020, ~2% of the total National Health Service (NHS) expenditure is spent on treatment of heart failure. A surge in the prevalence of heart failure is propelling the growth of the LVAD market in the UK.

Europe Left Ventricular Assist Device Market Revenue and Forecast to 2028 (US\$ Million)

Europe Left Ventricular Assist Device Market Segmentation

The Europe left ventricular assist device market is segmented into type of flow, design, application, and country.

Based on type of flow, the Europe left ventricular assist device market is bifurcated into pulsatile flow and non-pulsatile flow. In 2022, the non-pulsatile flow segment registered a larger share in the Europe left ventricular assist device market.

Based on design, the Europe left ventricular assist device market is bifurcated into implantable ventricular assist devices and transcatheter ventricular assist devices. In 2022, the implantable ventricular assist devices segment registered a larger share in the Europe left ventricular assist device market.

Based on application, the Europe left ventricular assist device market is segmented into Bridge to transplantation, destination therapy, bridge to recovery, and bridge to candidacy. In 2022, the destination therapy segment registered the largest share in the Europe left ventricular assist device market.

Based on country, the Europe left ventricular assist device market is segmented into the UK, Germany, France, Italy, Spain, and the Rest of Europe. In 2022, the UK registered the largest share in the Europe left ventricular assist device market.

Abbott Laboratories, Medtronic Plc, Evaheart Inc., and CorWave SA are some of the leading companies operating in the Europe left ventricular assist device market.

Contents

1. INTRODUCTION

- 1.1 Scope of the Study
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
 - 1.3.1 Europe Left Ventricular Assist Device Market – By Type of Flow
 - 1.3.2 Europe Left Ventricular Assist Device Market – By Design
 - 1.3.3 Europe Left Ventricular Assist Device Market – By Application
 - 1.3.4 Europe Left Ventricular Assist Device Market – By Country

2. KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. EUROPE LEFT VENTRICULAR ASSIST DEVICE MARKET – MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Europe PEST Analysis
- 4.3 Experts Opinion

5. EUROPE LEFT VENTRICULAR ASSIST DEVICE MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Incidence of Target Diseases and Procedures
 - 5.1.2 Growing Geriatric Population
- 5.2 Market Restraints
 - 5.2.1 Increase in Product Recalls and Complications Associated with Left Ventricular Assist Devices
- 5.3 Market Opportunities
 - 5.3.1 Untapped Potential of Emerging Economies

5.4 Future Trends

5.4.1 Increased Use of Artificial Intelligence and Machine Learning in LVAD

5.5 Impact Analysis

6. LEFT VENTRICULAR ASSIST DEVICE MARKET – EUROPE ANALYSIS

6.1 Europe Left Ventricular Assist Device Market Revenue Forecast & Analysis

7. EUROPE LEFT VENTRICULAR ASSIST DEVICE MARKET ANALYSIS – BY TYPE OF FLOW

7.1 Overview

7.2 Europe Left Ventricular Assist Device Market, By Type of Flow 2021 & 2028 (%)

7.3 Pulsatile Flow

7.3.1 Overview

7.3.2 Pulsatile Market Revenue and Forecast to 2028 (US\$ Million)

7.4 Non-Pulsatile

7.4.1 Overview

7.4.2 Non-Pulsatile Market Revenue and Forecast to 2028 (US\$ Million)

8. EUROPE LEFT VENTRICULAR ASSIST DEVICE MARKET ANALYSIS – BY DESIGN

8.1 Overview

8.2 Europe Left Ventricular Assist Device Market, By Design 2021 & 2028 (%)

8.3 Implantable Ventricular Assist Devices

8.3.1 Overview

8.3.2 Implantable Ventricular Assist Devices Market Revenue and Forecast to 2028 (US\$ Million)

8.4 Transcutaneous Ventricular Assist Devices

8.4.1 Overview

8.4.2 Transcutaneous Ventricular Assist Devices Market Revenue and Forecast to 2028 (US\$ Million)

9. EUROPE LEFT VENTRICULAR ASSIST DEVICE MARKET – BY APPLICATION

9.1 Overview

9.2 Europe Left Ventricular Assist Device Market, By Application 2021 & 2028 (%)

9.3 Bridge to Transplantation

- 9.3.1 Overview
- 9.3.2 Bridge to Transplantation Market Revenue and Forecast to 2028 (US\$ Million)
- 9.4 Destination Therapy
 - 9.4.1 Overview
 - 9.4.2 Destination Therapy Market Revenue and Forecast to 2028 (US\$ Million)
- 9.5 Bridge to Recovery
 - 9.5.1 Overview
 - 9.5.2 Bridge to Recovery Market Revenue and Forecast to 2028 (US\$ Million)
- 9.6 Bridge to Candidacy
 - 9.6.1 Overview
 - 9.6.2 Bridge to Candidacy Market Revenue and Forecast to 2028 (US\$ Million)

10. EUROPE LEFT VENTRICULAR ASSIST DEVICE MARKET REVENUE AND FORECASTS TO 2028 – COUNTRY ANALYSIS

- 10.1 Overview
 - 10.1.1 Europe: Left Ventricular Assist Device Market, by Country, 2021 & 2028 (%)
 - 10.1.1.1 UK: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.1.1.1 Overview
 - 10.1.1.1.2 UK: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.1.1.3 UK: Left Ventricular Assist Device Market, by Type of Flow, 2019–2028 (US\$ Million)
 - 10.1.1.1.4 UK: Left Ventricular Assist Device Market, by Design, 2019–2028 (US\$ Million)
 - 10.1.1.1.5 UK: Left Ventricular Assist Device Market, by Application, 2019–2028 (US\$ Million)
 - 10.1.1.2 Germany: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.1.2.1 Overview
 - 10.1.1.2.2 Germany: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.1.2.3 Germany: Left Ventricular Assist Device Market, by Type of Flow, 2019–2028 (US\$ Million)
 - 10.1.1.2.4 Germany: Left Ventricular Assist Device Market, by Design, 2019–2028 (US\$ Million)
 - 10.1.1.2.5 Germany: Left Ventricular Assist Device Market, by Application, 2019–2028 (US\$ Million)

10.1.1.3 France: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.3.1 Overview

10.1.1.3.2 France: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.3.3 France: Left Ventricular Assist Device Market, by Type of Flow, 2019–2028 (US\$ Million)

10.1.1.3.4 France: Left Ventricular Assist Device Market, by Design, 2019–2028 (US\$ Million)

10.1.1.3.5 France: Left Ventricular Assist Device Market, by Application, 2019–2028 (US\$ Million)

10.1.1.4 Italy: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.4.1 Overview

10.1.1.4.2 Italy: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.4.3 Italy: Left Ventricular Assist Device Market, by Type of Flow, 2019–2028 (US\$ Million)

10.1.1.4.4 Italy: Left Ventricular Assist Device Market, by Design, 2019–2028 (US\$ Million)

10.1.1.4.5 Italy: Left Ventricular Assist Device Market, by Application, 2019–2028 (US\$ Million)

10.1.1.5 Spain: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.5.1 Overview

10.1.1.5.2 Spain: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.5.3 Spain: Left Ventricular Assist Device Market, by Type of Flow, 2019–2028 (US\$ Million)

10.1.1.5.4 Spain: Left Ventricular Assist Device Market, by Design, 2019–2028 (US\$ Million)

10.1.1.5.5 Spain: Left Ventricular Assist Device Market, by Application, 2019–2028 (US\$ Million)

10.1.1.6 Rest of Europe: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.6.1 Overview

10.1.1.6.2 Rest of Europe: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.6.3 Rest of Europe: Left Ventricular Assist Device Market, by Type of Flow,

2019–2028 (US\$ Million)

10.1.1.6.4 Rest of Europe: Left Ventricular Assist Device Market, by Design,
2019–2028 (US\$ Million)

10.1.1.6.5 Rest of Europe: Left Ventricular Assist Device Market, by Application,
2019–2028 (US\$ Million)

11. COMPANY PROFILES

11.1 ABIOMED Inc

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 Medtronic Plc

11.2.1 Key Facts

11.2.2 Business Description

11.2.3 Products and Services

11.2.4 Financial Overview

11.2.5 SWOT Analysis

11.2.6 Key Developments

11.3 Evaheart Inc

11.3.1 Key Facts

11.3.2 Business Description

11.3.3 Products and Services

11.3.4 Financial Overview

11.3.5 SWOT Analysis

11.3.6 Key Developments

11.4 CorWave SA

11.4.1 Key Facts

11.4.2 Business Description

11.4.3 Products and Services

11.4.4 Financial Overview

11.4.5 SWOT Analysis

11.4.6 Key Developments

12. APPENDIX

12.1 About The Insight Partners

12.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. UK: Left Ventricular Assist Device Market, by Type of Flow, 2019–2028 (US\$ Million)

Table 2. UK: Left Ventricular Assist Device Market, by Design – Revenue and Forecast to 2028 (US\$ Million)

Table 3. UK: Left Ventricular Assist Device Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 4. Germany: Left Ventricular Assist Device Market, by Type of Flow – Revenue and Forecast to 2028 (US\$ Million)

Table 5. Germany: Left Ventricular Assist Device Market, by Design – Revenue and Forecast to 2028 (US\$ Million)

Table 6. Germany: Left Ventricular Assist Device Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 7. France: Left Ventricular Assist Device Market, by Type of Flow – Revenue and Forecast to 2028 (US\$ Million)

Table 8. France: Left Ventricular Assist Device Market, by Design – Revenue and Forecast to 2028 (US\$ Million)

Table 9. France: Left Ventricular Assist Device Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 10. Italy: Left Ventricular Assist Device Market, by Type of Flow – Revenue and Forecast to 2028 (US\$ Million)

Table 11. Italy: Left Ventricular Assist Device Market, by Design – Revenue and Forecast to 2028 (US\$ Million)

Table 12. Italy: Left Ventricular Assist Device Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 13. Spain: Left Ventricular Assist Device Market, by Type of Flow – Revenue and Forecast to 2028 (US\$ Million)

Table 14. Spain: Left Ventricular Assist Device Market, by Design – Revenue and Forecast to 2028 (US\$ Million)

Table 15. Spain: Left Ventricular Assist Device Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 16. Rest of Europe: Left Ventricular Assist Device Market, by Type of Flow – Revenue and Forecast to 2028 (US\$ Million)

Table 17. Rest of Europe: Left Ventricular Assist Device Market, by Design – Revenue and Forecast to 2028 (US\$ Million)

Table 18. Rest of Europe: Left Ventricular Assist Device Market, by Application –

Revenue and Forecast to 2028 (US\$ Million)
Table 19. Glossary of Terms

List Of Figures

LIST OF FIGURES

- Figure 1. Europe Left Ventricular Assist Device Market Segmentation
- Figure 2. Europe Left Ventricular Assist Device Market, By Country
- Figure 3. Europe Left Ventricular Assist Device Market Overview
- Figure 4. Implantable Ventricular Assist Device Held Largest Share for Design Segment in Europe Left Ventricular Assist Device Market
- Figure 5. Germany is Expected to Show Remarkable Growth During the Forecast Period
- Figure 7. Europe: PEST Analysis
- Figure 8. Experts Opinion
- Figure 9. Impact Analysis
- Figure 10. Europe Left Ventricular Assist Device Market – Revenue Forecast and Analysis – 2020- 2028
- Figure 11. Europe Left Ventricular Assist Device Market, by Type of Flow 2021 & 2028 (%)
- Figure 12. Pulsatile Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 13. Non-Pulsatile Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 14. Europe Left Ventricular Assist Device Market, by Design 2021 & 2028 (%)
- Figure 15. Implantable Ventricular Assist Devices Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 16. Transcutaneous Ventricular Assist Devices Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 17. Europe Left Ventricular Assist Device Market, by Application 2021 & 2028 (%)
- Figure 18. Bridge to Transplantation Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 19. Destination Therapy Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 20. Bridge to Recovery Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 21. Bridge to Candidacy Market Revenue and Forecasts to 2028 (US\$ Million)
- Figure 22. Europe: Left Ventricular Assist Device Market, by Key Country – Revenue (2021) (US\$ Million)
- Figure 23. Europe: Left Ventricular Assist Device Market, by Country, 2021 & 2028 (%)
- Figure 24. UK: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 25. Germany: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 26. France: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 27. Italy: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 28. Spain: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 29. Rest of Europe: Left Ventricular Assist Device Market – Revenue and Forecast to 2028 (US\$ Million)

I would like to order

Product name: Europe Left Ventricular Assist Device Market Forecast to 2028 - Regional Analysis - by Type of Flow (Pulsatile Flow and Non-Pulsatile Flow), Design (Implantable Ventricular Assist Devices and Transcutaneous Ventricular Assist Devices), and Application (Bridge to Transplantation, Destination Therapy, Bridge to Recovery, and Bridge to Candidacy)

Product link: <https://marketpublishers.com/r/EE5C88ECACC0EN.html>

Price: US\$ 3,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/EE5C88ECACC0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970