

North America ECMO Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Modality (Venoarterial ECMO, Venovenous ECMO, and Arteriovenous ECMO), Application (Respiratory and Cardiology), and Age Group (Adults, Pediatrics, and Neonates)

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Abstracts

The North America ECMO market is expected to grow from US\$ 227.85 million in 2022 to US\$ 277.36 million by 2028. It is estimated to record a CAGR of 3.3% from 2022 to 2028.

Surging Product Developments and Approvals to Drive North America ECMO Market Growth in Future

Advancements in medical technology and innovations and an increase in investments in R&D by manufacturers have resulted in the launch of various medical devices, including ECMO. Market players are involved in various product development activities. In October 2020, FDA granted 510(k) clearance to Abiomed's ECMO system called Abiomed Breeze OXY-1 System. It can be used for treating patients suffering from COVID-19 and cardiogenic shock. The system provides cardiopulmonary bypass support for patients whose lungs cannot provide sufficient end organ oxygenation. Similarly, in April 2020, Getinge received a temporary expansion of the availability of devices used for ECMO therapy in the US. As per this extension, Cardiohelp and HLS Advanced Sets can be used for >6 hours for COVID-19 patients with respiratory/cardiopulmonary support. Further, in February 2020, FDA cleared Novalung, a heart and lung support system used to treat acute respiratory and cardiopulmonary failure. Novalung is the first extracorporeal membrane oxygenation system to be cleared

for more than six hours of use as extracorporeal life support. Many product approvals and developments in the ECMO market are enabling healthcare professionals to provide improved services. These developments help system manufacturers meet the rising demand for technically advanced systems that can efficiently treat patients suffering from cardiac and respiratory failure conditions. Thus, growing product development and approvals of ECMO products are expected to drive the growth of the North America ECMO market during the forecast period.

North America ECMO Market Overview

The North America is the largest market for ECMO. The US, Canada, and Mexico are main contributors to the regional market. The US dominated the North America ECMO market in 2022. According to the US Centers for Medicare & Medicaid Services, the national healthcare expenditure in the US increased by 9.7% in 2019 to reach US\$ 4.1 trillion in 2020. Furthermore, national health spending is expected to grow at a 5.4% annual rate from 2019 to 2028, and it is expected to reach US\$ 6.2 trillion by 2028. The rising healthcare expenditure is estimated to increase the adoption of various equipment for patient care, which would fuel the demand for ECMO in the country during the forecast period. The prevalence of cardiovascular diseases in the US is much higher, as more than 50% population is suffering from different types of cardiovascular disease. According to the Centers for Disease Control and Prevention (CDC), every year, more than 0.6 million people die due to cardiovascular disease; this nearly accounts for one in every four deaths. The primary cause of cardiovascular disease among people is hypertension, obesity, and diabetes. According to the American Heart Association, in January 2019, it was reported that over 130 million or 45.1% of people are likely to have some form of cardiovascular disease by 2035. Thus, the growing prevalence of cardiovascular diseases is expected to propel the demand for ECMO in the coming years.

North America ECMO Market Revenue and Forecast to 2028 (US\$ Million)

North America ECMO Market Segmentation

The North America ECMO market is segmented on the basis of modality, application, age group, and country.

Based on modality, the North America ECMO market is segmented into venoarterial ECMO, venovenous ECMO, and arteriovenous ECMO. The venoarterial ECMO segment held the largest market share in 2022.

Based on application, the North America ECMO market is bifurcated into respiratory and cardiology. The respiratory segment held a larger market share in 2022.

Based on age group, the North America ECMO market is segmented into adults, pediatrics, and neonates. The adults segment held the largest market share in 2022.

Based on country, the North America ECMO market is segmented into the US, Canada, and Mexico. The US dominated the market in 2022.

ABIOMED Inc, Braile Biomedica, Eurosets S.R.L., Fresenius Medical Care AG & Co KGaA, Getinge AB, LivaNova Plc, Medtronic Plc, MicroPort Scientific Corporation, Nipro Medical Corporation, and Terumo Group are among the leading companies operating in the North America ECMO market.

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