

# **Global Cerebral Oximetry Monitoring Market Size study & Forecast, by Application (Cardiac Surgery, Vascular Surgery and Others), by Age Group (Pediatric, Adult), by End Use (Hospitals & Clinics, Ambulatory Surgical Centers and Others) and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Cerebral Oximetry Monitoring Market is valued at approximately USD 189.04 million in 2021 and is anticipated to grow with a healthy growth rate of more than 7.20% over the forecast period 2022-2029. During the perioperative period of cardiovascular surgeries, cerebral oximetry based on near-infrared spectroscopy (NIRS) is employed more frequently. It is a non-invasive technique that can keep track of the frontal cortex's local oxygen saturation. The Cerebral Oximetry Monitoring Market is expanding because of factors such as the growing geriatric population and an increasing number of diseases such as cardiovascular and neurological disorders. However, the high cost of cerebral oximetry monitoring devices may halt market growth.

According to the centres for disease control and prevention, 697,000 Americans are expected to have coronary artery disease (CAD) in 2020 as a result of adopting a western lifestyle, heavy drinking, heavy smoking, and inactivity (CDC). As CAD cases increase, it is expected that the need for cerebral oximetry monitoring devices to perform safe CAD surgery would rise. Aging and obese populations are also more likely to develop chronic diseases. The World Bank Group projects that by 2050, there will be 1.5 billion older people in the world, up from the current 727 million estimate of 2020. In addition, advancements in product development and rising approval by various regulatory bodies are creating lucrative growth in the market. For instance, Masimo got FDA approval in August 2020 to use its 'O3 Regional Oximetry' technology to monitor

the oxygenation saturation of somatic tissues and the variations between oxyhemoglobin, hemoglobin, and deoxyhemoglobin in adult brains.

The key regions considered for the Global Cerebral Oximetry Monitoring Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the dominance of branded products and the region's increasing disease prevalence. Whereas Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising geriatric and target populations, an increase in the number of collaborations for product development, geographic expansion of key players, and active participation of government organizations in the market space.

Major market player included in this report are:

Masimo  
Medtronic  
Edwards Lifesciences Corporation  
Nonin Medical Inc  
ISS, Inc.  
Hamamatsu Photonics K.K.  
Mespere LifeSciences Inc  
GE Healthcare  
Terumo Cardiovascular Systems Corporation  
Ornim Medical

Recent Developments in the Market:

In December 2021, The FDA has granted 510(k) approval for the Medtronic PLC INVOS 7100 cerebral/somatic oximetry device for use in pediatric patients. The INVOS system enables pediatric clinicians caring for neonates, premature infants, children, and other patients to make timely decisions on ventilation, hemodynamic management, and resuscitation.

In August 2020, The FDA approved the use of O3 Regional Oximetry to measure the oxygenation saturation of somatic tissues in all patient groups as well as the relative changes in hemoglobin, oxyhemoglobin, and deoxyhemoglobin in adult brains.

Global Cerebral Oximetry Monitoring Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape,

Growth factors, and Trends

Segments Covered Application, Age, End Use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Cardiac Surgery

Vascular Surgery

Others

By Age:

Pediatric

Adult

By End Use:

Hospitals & Clinics

Ambulatory Surgical Centers

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE  
Asia Pacific  
China  
India  
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Australia  
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RoLA  
Rest of the World

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