

# **Intraoperative Neuromonitoring (IONM) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

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## **Abstracts**

The global intraoperative neuromonitoring (IONM) market size reached US\$ 3.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 5.4 Billion by 2028, exhibiting a growth rate (CAGR) of 7.09% during 2023-2028.

An intraoperative neuromonitoring (IONM) system comprises a group of procedures that can detect, monitor, and confirm nerve function and help minimize the odds of neurological problems during or after neurological surgical procedures. It reduces the risks of nerve function being damaged as a result of improper positioning of the patient or any neurophysiologically-relevant nerve structures. An IONM allows surgeons to identify electrophysiologic changes during spine, head or neck surgery, which may be crucial in extending incisions, placing implants, positioning limbs, and performing retraction techniques that can prevent permanent nerve damage. Using targeted neurostimulation, nerve structures can be identified to prevent potential damage, thus allowing surgeons to focus on optimizing interventions while preserving function. Consequently, these systems are extensively used in neuro, ENT, emergency, visceral, cardiothoracic, orthopedic, and vascular surgeries.

### **Intraoperative Neuromonitoring (IONM) Market Trends:**

The market is majorly driven by the augmenting focus on patient safety during complex surgical procedures. This can be attributed to a considerable rise in the prevalence of chronic neurovascular disorders, such as epilepsy, stroke, Parkinson's disease and Alzheimer's disease. In addition to this, the escalating demand for minimally invasive and non-invasive surgeries resulting in a higher uptake of advanced intraoperative neuromonitoring devices is propelling the market. Moreover, the growing trend of medical tourism across the globe is also creating lucrative growth opportunities for the

market. The market is further driven by the expanding expenditure on advanced healthcare services. Some of the other factors providing an impetus to the market include the paradigm shift towards outsourced monitoring, the increasing geriatric population that is susceptible to developing neurological disorders, favorable government initiatives and reimbursement plans, and extensive research and development (R&D), collaborations, and joint ventures among the key players.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global intraoperative neuromonitoring (IONM) market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product and services, source type, application and end user.

#### Breakup by Product and Services:

- Systems
- Accessories
- Services

#### Breakup by Source Type:

- Insourced Monitoring
- Outsourced Monitoring

#### Breakup by Application:

- Spinal Surgery
- Neurosurgery
- Vascular Surgery
- ENT Surgery
- Orthopedic Surgery
- Others

#### Breakup by End User:

- Hospitals
- Ambulatory Surgical Centers (ASCs)

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Accurate Monitoring LLC, Computational Diagnostics Inc., inomed Medizintechnik GmbH, Intranerve LLC, Medtronic plc, Natus Medical Incorporated, NeuroMonitoring Technologies Inc., Neurophysiology Services Asia, Nihon Kohden Corporation, NuVasive Inc., Specialtycare Inc. and Technomed.

#### Key Questions Answered in This Report:

How has the global intraoperative neuromonitoring (IONM) market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global intraoperative neuromonitoring (IONM) market?

What are the key regional markets?

What is the breakup of the market based on the product and services?

What is the breakup of the market based on the source type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global intraoperative neuromonitoring (IONM) market and who are the key players?

What is the degree of competition in the industry?

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