

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?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL INTRAOPERATIVE NEUROMONITORING (IONM) MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT AND SERVICES

- 6.1 Systems
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Accessories
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Services

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

7 MARKET BREAKUP BY SOURCE TYPE

- 7.1 Insourced Monitoring
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Outsourced Monitoring
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Spinal Surgery
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Neurosurgery
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Vascular Surgery
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 ENT Surgery
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Orthopedic Surgery
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Others
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast

9 MARKET BREAKUP BY END USER

- 9.1 Hospitals
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Ambulatory Surgical Centers (ASCs)

9.2.1 Market Trends

9.2.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

10.3.1.2 Market Forecast

10.3.2 France

- 10.3.2.1 Market Trends
- 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Accurate Monitoring LLC
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.2 Computational Diagnostics Inc.
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.3 inomed Medizintechnik GmbH
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.4 Intranerve LLC
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.5 Medtronic plc
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
 - 15.3.5.4 SWOT Analysis
 - 15.3.6 Natus Medical Incorporated
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio

- 15.3.6.3 Financials
- 15.3.6.4 SWOT Analysis
- 15.3.7 NeuroMonitoring Technologies Inc.
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
- 15.3.8 Neurophysiology Services Asia
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
- 15.3.9 Nihon Kohden Corporation
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis
- 15.3.10 NuVasive Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11 Specialtycare Inc.
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
- 15.3.12 Technomed
 - 15.3.12.1 Company Overview
 - 15.3.12.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Intraoperative Neuromonitoring Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Intraoperative Neuromonitoring Market Forecast: Breakup by Product and Services (in Million US\$), 2023-2028

Table 3: Global: Intraoperative Neuromonitoring Market Forecast: Breakup by Source Type (in Million US\$), 2023-2028

Table 4: Global: Intraoperative Neuromonitoring Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Intraoperative Neuromonitoring Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 6: Global: Intraoperative Neuromonitoring Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Intraoperative Neuromonitoring Market: Competitive Structure

Table 8: Global: Intraoperative Neuromonitoring Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Intraoperative Neuromonitoring Market: Major Drivers and Challenges

Figure 2: Global: Intraoperative Neuromonitoring Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Intraoperative Neuromonitoring Market: Breakup by Product and Services (in %), 2022

Figure 5: Global: Intraoperative Neuromonitoring Market: Breakup by Source Type (in %), 2022

Figure 6: Global: Intraoperative Neuromonitoring Market: Breakup by Application (in %), 2022

Figure 7: Global: Intraoperative Neuromonitoring Market: Breakup by End User (in %), 2022

Figure 8: Global: Intraoperative Neuromonitoring Market: Breakup by Region (in %), 2022

Figure 9: Global: Intraoperative Neuromonitoring (Systems) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Intraoperative Neuromonitoring (Systems) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Intraoperative Neuromonitoring (Accessories) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Intraoperative Neuromonitoring (Accessories) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Intraoperative Neuromonitoring (Services) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Intraoperative Neuromonitoring (Services) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Intraoperative Neuromonitoring (Insourced Monitoring) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Intraoperative Neuromonitoring (Insourced Monitoring) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Intraoperative Neuromonitoring (Outsourced Monitoring) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Intraoperative Neuromonitoring (Outsourced Monitoring) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Intraoperative Neuromonitoring (Spinal Surgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Intraoperative Neuromonitoring (Spinal Surgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Intraoperative Neuromonitoring (Neurosurgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Intraoperative Neuromonitoring (Neurosurgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Intraoperative Neuromonitoring (Vascular Surgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Intraoperative Neuromonitoring (Vascular Surgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Intraoperative Neuromonitoring (ENT Surgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Intraoperative Neuromonitoring (ENT Surgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Intraoperative Neuromonitoring (Orthopedic Surgery) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Intraoperative Neuromonitoring (Orthopedic Surgery) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Intraoperative Neuromonitoring (Other Surgeries) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Intraoperative Neuromonitoring (Other Surgeries) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Intraoperative Neuromonitoring (Hospitals) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Intraoperative Neuromonitoring (Hospitals) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Intraoperative Neuromonitoring (Ambulatory Surgical Centers (ASCs)) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Intraoperative Neuromonitoring (Ambulatory Surgical Centers (ASCs)) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: North America: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: North America: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: United States: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: United States: Intraoperative Neuromonitoring Market Forecast: Sales Value

(in Million US\$), 2023-2028

Figure 39: Canada: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Canada: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Asia-Pacific: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Asia-Pacific: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: China: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: China: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Japan: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Japan: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: India: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: India: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: South Korea: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: South Korea: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Australia: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Australia: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Indonesia: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Indonesia: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Others: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Others: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Europe: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Europe: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Germany: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Germany: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: France: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: France: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: United Kingdom: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: United Kingdom: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Italy: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Italy: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Spain: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Spain: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Russia: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Russia: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Others: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Others: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Latin America: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Latin America: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Brazil: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Brazil: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Mexico: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$),

2017 & 2022

Figure 78: Mexico: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Others: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Others: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Middle East and Africa: Intraoperative Neuromonitoring Market: Sales Value (in Million US\$), 2017 & 2022

Figure 82: Middle East and Africa: Intraoperative Neuromonitoring Market: Breakup by Country (in %), 2022

Figure 83: Middle East and Africa: Intraoperative Neuromonitoring Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Global: Intraoperative Neuromonitoring Industry: SWOT Analysis

Figure 85: Global: Intraoperative Neuromonitoring Industry: Value Chain Analysis

Figure 86: Global: Intraoperative Neuromonitoring Industry: Porter's Five Forces Analysis

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