

# Medical Simulation Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/MF9E943BB624EN.html>

Date: November 2023

Pages: 140

Price: US\$ 2,499.00 (Single User License)

ID: MF9E943BB624EN

## Abstracts

The global medical simulation market size reached US\$ 2.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4.7 Billion by 2028, exhibiting a growth rate (CAGR) of 13.49% during 2022-2028.

Medical simulation refers to the virtual duplication of in-situ activities for training, feedback and experiential learning. It is commonly used by physicians, nurses, surgeons and other practitioners under training to learn, practice and assess their skills in a safe environment. Medical simulation uses body manikins, task trainers and virtual reality (VR)-based systems for laparoscopic, gynecological, cardiovascular, arthroscopic, spinal, endovascular, dental and eye simulation. It provides feedback from observers, such as professors, peers, actor-patients and video cameras, and aids in enhancing patient safety, optimizing communications and improving crisis resource management. As a result, it finds extensive applications across hospitals, academic institutes, military organizations, research facilities and ambulatory care centers.

### Medical Simulation Market Trends:

Significant growth in the medical industry across the globe is among the key factors creating a positive outlook for the market. Moreover, the increasing awareness regarding the benefits of simulation-based learning among the masses is providing a thrust to the market growth. In line with this, the widespread adoption of laparoscopic simulation systems for effective cancer treatment is also contributing to the market growth. Various technological advancements, such as the integration of augmented reality (AR), robotics and artificial intelligence (AI) solutions in interventional simulators, are acting as other growth-inducing factors. These simulators are extensively used for training physicians in conducting cholecystectomy, appendectomy, gastric bypass, tubal

ligation and hysterectomy. Other factors, including the rising concerns regarding patient safety, along with rapid digitization of the healthcare industry, especially in the developing economies, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global medical simulation 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, fidelity and end user.

#### Breakup by Product and Services:

- Model-based Simulation
- Surgical Simulation
- Ultrasound Simulation
- Web-based Simulation
- Simulation Training Services

#### Breakup by Fidelity:

- Low Fidelity
- Medium Fidelity
- High Fidelity

#### Breakup by End User:

- Hospitals and Clinics
- Academic Institutions and Research Centers
- Military Organizations
- Others

#### 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 Cardionics Inc. (3B Scientific GmbH), Gaumard Scientific Company Inc., Kyoto Kagaku Co. Ltd, Laerdal Medical, Mentice, Operative Experience Inc., Symbionix USA Corporation (3D Systems), Simulab Corporation, Surgical Science Sweden AB, Synaptive Medical Inc., SynBone AG and VirtaMed AG.

#### Key Questions Answered in This Report:

How has the global medical simulation market performed so far and how will it perform in the coming years?  
What has been the impact of COVID-19 on the global medical simulation 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 fidelity?  
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 medical simulation 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 MEDICAL SIMULATION 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 Model-based Simulation
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Surgical Simulation
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Ultrasound Simulation

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Web-based Simulation
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast
- 6.5 Simulation Training Services
  - 6.5.1 Market Trends
  - 6.5.2 Market Forecast

## **7 MARKET BREAKUP BY FIDELITY**

- 7.1 Low Fidelity
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Medium Fidelity
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 High Fidelity
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

- 8.1 Hospitals and Clinics
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Academic Institutions and Research Centers
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Military Organizations
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Others
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America

- 9.1.1 United States
  - 9.1.1.1 Market Trends
  - 9.1.1.2 Market Forecast
- 9.1.2 Canada
  - 9.1.2.1 Market Trends
  - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends
    - 9.2.5.2 Market Forecast
  - 9.2.6 Indonesia
    - 9.2.6.1 Market Trends
    - 9.2.6.2 Market Forecast
  - 9.2.7 Others
    - 9.2.7.1 Market Trends
    - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy

- 9.3.4.1 Market Trends
- 9.3.4.2 Market Forecast
- 9.3.5 Spain
  - 9.3.5.1 Market Trends
  - 9.3.5.2 Market Forecast
- 9.3.6 Russia
  - 9.3.6.1 Market Trends
  - 9.3.6.2 Market Forecast
- 9.3.7 Others
  - 9.3.7.1 Market Trends
  - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

- 12.1 Overview

- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
  - 14.3.1 Cardionics Inc. (3B Scientific GmbH)
    - 14.3.1.1 Company Overview
    - 14.3.1.2 Product Portfolio
  - 14.3.2 Gaumard Scientific Company Inc.
    - 14.3.2.1 Company Overview
    - 14.3.2.2 Product Portfolio
  - 14.3.3 Kyoto Kagaku Co. Ltd
    - 14.3.3.1 Company Overview
    - 14.3.3.2 Product Portfolio
  - 14.3.4 Laerdal Medical
    - 14.3.4.1 Company Overview
    - 14.3.4.2 Product Portfolio
    - 14.3.4.3 SWOT Analysis
  - 14.3.5 Mentice
    - 14.3.5.1 Company Overview
    - 14.3.5.2 Product Portfolio
    - 14.3.5.3 Financials
  - 14.3.6 Operative Experience Inc.
    - 14.3.6.1 Company Overview
    - 14.3.6.2 Product Portfolio
    - 14.3.6.3 Financials
  - 14.3.7 Simbionix USA Corporation (3D Systems)
    - 14.3.7.1 Company Overview
    - 14.3.7.2 Product Portfolio
  - 14.3.8 Simulab Corporation
    - 14.3.8.1 Company Overview



- 14.3.8.2 Product Portfolio
- 14.3.9 Surgical Science Sweden AB
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 Financials
- 14.3.10 Synaptive Medical Inc.
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
- 14.3.11 SynBone AG
  - 14.3.11.1 Company Overview
  - 14.3.11.2 Product Portfolio
- 14.3.12 VirtaMed AG
  - 14.3.12.1 Company Overview
  - 14.3.12.2 Product Portfolio

## List Of Tables

### LIST OF TABLES

Table 1: Global: Medical Simulation Market: Key Industry Highlights, 2022 and 2028

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

Table 3: Global: Medical Simulation Market Forecast: Breakup by Fidelity (in Million US\$), 2023-2028

Table 4: Global: Medical Simulation Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Medical Simulation Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Medical Simulation Market: Competitive Structure

Table 7: Global: Medical Simulation Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Medical Simulation Market: Major Drivers and Challenges

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

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

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

Figure 5: Global: Medical Simulation Market: Breakup by Fidelity (in %), 2022

Figure 6: Global: Medical Simulation Market: Breakup by End User (in %), 2022

Figure 7: Global: Medical Simulation Market: Breakup by Region (in %), 2022

Figure 8: Global: Medical Simulation (Model-based Simulation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Medical Simulation (Model-based Simulation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Medical Simulation (Surgical Simulation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Medical Simulation (Surgical Simulation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Medical Simulation (Ultrasound Simulation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Medical Simulation (Ultrasound Simulation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Medical Simulation (Web-based Simulation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Medical Simulation (Web-based Simulation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Medical Simulation (Simulation Training Services) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Medical Simulation (Simulation Training Services) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Medical Simulation (Low Fidelity) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Medical Simulation (Low Fidelity) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Medical Simulation (Medium Fidelity) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Medical Simulation (Medium Fidelity) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Medical Simulation (High Fidelity) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Medical Simulation (High Fidelity) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Medical Simulation (Hospitals and Clinics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Medical Simulation (Hospitals and Clinics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Medical Simulation (Academic Institutions and Research Centers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Medical Simulation (Academic Institutions and Research Centers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Medical Simulation (Military Organizations) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Medical Simulation (Military Organizations) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Medical Simulation (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Medical Simulation (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: North America: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: North America: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: United States: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: United States: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Canada: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Canada: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Asia-Pacific: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Asia-Pacific: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: China: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: China: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Japan: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Japan: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: India: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: India: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: South Korea: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: South Korea: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Australia: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Australia: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Indonesia: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Indonesia: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Others: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Others: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Europe: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Europe: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Germany: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Germany: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: France: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: France: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: United Kingdom: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: United Kingdom: Medical Simulation Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 62: Italy: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Italy: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Spain: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Spain: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Russia: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Russia: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Others: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Others: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Latin America: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Latin America: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Brazil: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Brazil: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Mexico: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Mexico: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Others: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Others: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Middle East and Africa: Medical Simulation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Middle East and Africa: Medical Simulation Market: Breakup by Country (in %), 2022

Figure 80: Middle East and Africa: Medical Simulation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Global: Medical Simulation Industry: SWOT Analysis

Figure 82: Global: Medical Simulation Industry: Value Chain Analysis

Figure 83: Global: Medical Simulation Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Medical Simulation Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/MF9E943BB624EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/MF9E943BB624EN.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

