

Global Acute Ischemic Stroke Diagnosis and Treatment Market Size Study, by Type (Diagnostics, Treatment), by End User (Hospitals and Clinics, Ambulatory Surgery Centers, Diagnostic Laboratories and Imaging Centers, Others), and Regional Forecasts 2022-2032

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Abstracts

Global Acute Ischemic Stroke Diagnosis and Treatment Market is valued at approximately USD 5.41 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.1% over the forecast period 2024-2032. Acute ischemic stroke is a medical condition characterized by a sudden disruption of blood flow to a part of the brain, leading to a lack of oxygen and nutrients. This ischemic event results from the blockage or obstruction of a blood vessel supplying the brain, commonly due to a blood clot or the formation of a thrombus. The sudden reduction or cessation of blood flow deprives brain cells of essential nutrients, leading to damage or death of the affected brain tissue. There are various diagnostic tests such as CT scans, MRI, and blood tests, to determine the type and severity of stroke. Ischemic stroke treatment includes the administration of anticoagulants, tissue plasminogen activators, antihypertensive medications, and antiplatelet drugs.

The growth of the acute ischemic stroke diagnosis and treatment market is driven by a rise in incidences of acute ischemic stroke around the globe and technological advancements in ischemic stroke diagnostics. For instance, according to the World Stroke Organization (WSO) 2022, each year over 58% of ischemic strokes occur in people under 70 years of age. The rise in incidence of ischemic stroke has led to an increase in demand for acute ischemic stroke diagnostics and therapeutics, which, in turn, drives the market growth. The increase in the incidence of acute ischemic stroke is

a significant driver for the acute ischemic stroke diagnosis and treatment industry. Factors such as the aging population, lifestyle changes, and the increasing prevalence of risk factors like hypertension contribute to a higher occurrence of strokes, which leads to a rise in demand for diagnosis and treatment.

In addition, the rise in technological advancements in diagnostic imaging, such as computed tomography (CT) and magnetic resonance imaging (MRI), enables accurate and timely diagnosis of acute ischemic strokes, driving the acute ischemic stroke diagnosis market growth. High-resolution imaging allows healthcare professionals to visualize brain structures and identify the location and extent of ischemic damage. The aging population is more prone to stroke, and as the global population ages, the demand for stroke treatment is likely to increase. Age is a significant risk factor for stroke, and the elderly population often requires more extensive medical interventions. Thus, the rise in the geriatric population further drives the acute ischemic stroke treatment market size. Furthermore, the rise in government initiatives and support for stroke prevention and management contributes to the growth of the acute ischemic stroke diagnosis market. Funding, research programs, and the establishment of stroke centers enhance the infrastructure and capabilities for effective diagnosis and treatment, propelling the acute ischemic stroke treatment market size.

Moreover, the rise in public awareness of stroke symptoms, risk factors, and the importance of seeking immediate medical attention has led to a shift in patient behavior which supports market growth. Increased awareness contributes to early detection, diagnosis, and prompt initiation of treatment, enhancing overall outcomes which fuels the acute ischemic stroke diagnosis and treatment market growth. However, the high cost of diagnostics and treatment for ischemic stroke is projected to deter individuals from seeking early diagnosis, particularly in regions with limited access to affordable healthcare. This negatively impacts market growth. Patients may postpone or avoid diagnostic tests due to concerns about the financial burden and restrain market growth. On the other hand, technological advancement in ischemic stroke diagnosis and increase in new product approvals are expected to create lucrative acute ischemic stroke diagnosis and treatment market opportunities during the forecast period.

The ongoing global economic recession influences several industries, including medical technology and pharmaceuticals, which has an impact on the development and demand for acute ischemic stroke diagnosis and treatments. During a recession, the medical technology industry is moderately impacted due to an increase in the cost for supplies, healthcare providers, and instruments. Further, the reduction in research funding is slowing down the development of new treatment and technologies. Despite these

challenges, the acute ischemic stroke diagnosis and treatment market continues to experience moderate revenue growth owing to technological advancements in imaging. Thus, the acute ischemic stroke diagnosis and treatment market is moderately impacted by the recession.

The key regions considered for the global Acute Ischemic Stroke Diagnosis and Treatment Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue in 2022. The growth in this region is attributed to the advanced healthcare infrastructure, rise in incidence of acute ischemic stroke, and adoption of technologically advanced diagnostics. In addition, the presence of several major players, such as AstraZeneca, F. Hoffmann-La Roche Ltd, Koninklijke Philips N.V., Siemens, Medtronic plc, and Abbott Laboratories contributes to the market growth in the region. Whereas, Asia-Pacific is expected to grow at the highest rate during the forecast period. This is attributed to a surge in awareness about ischemic stroke in the general population. In addition, the rise in research and clinical trials, surge in awareness, and increase in demand for advanced treatment options for acute ischemic stroke are the factors that drive the market growth in this region. Asia-Pacific offers profitable opportunities for key players operating in the acute ischemic stroke diagnosis and treatment market, thereby registering the fastest growth rate during the acute ischemic stroke diagnosis and treatment market forecast period, owing to the developments in infrastructure of industries and rise in adoption of advanced medical technologies. In addition, the rise in awareness about the benefits of timely medical intervention and the importance of early diagnosis and treatment have driven the demand for acute ischemic stroke diagnosis and treatment and propel the market growth.

Major Market Players Included in This Report Are:

AstraZeneca

F. Hoffmann-La Roche Ltd

Koninklijke Philips N.V.

Siemens

Medtronic plc

Abbott Laboratories

Johnson & Johnson

GE Healthcare

Stryker Corporation

Merck & Co., Inc.

Bayer AG

Boehringer Ingelheim

Pfizer Inc.

Boston Scientific Corporation

Sanofi S.A.

The Detailed Segments and Sub-segment of the Market Are Explained Below:

By Type:

Diagnostics

Treatment

By End User:

Hospitals and Clinics

Ambulatory Surgery Centers

Diagnostic Laboratories and Imaging Centers

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market

approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT MARKET EXECUTIVE SUMMARY

- 1.1. Global Acute Ischemic Stroke Diagnosis and Treatment Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Type
 - 1.3.2. By End User
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT

Global Acute Ischemic Stroke Diagnosis and Treatment Market Size Study, by Type (Diagnostics, Treatment), by E...

MARKET DYNAMICS

3.1. Market Drivers

3.1.1. Increase in Incidence of Acute Ischemic Stroke

3.1.2. Technological Advancements in Diagnostic Imaging

3.2. Market Challenges

3.2.1. High Cost of Diagnostic and Treatment Procedures

3.2.2. Economic Recession Impact

3.3. Market Opportunities

3.3.1. Rise in Government Initiatives

3.3.2. Technological Innovations

CHAPTER 4. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model

4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.2.5. Environmental

4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1. Segment Dashboard

5.2. Global Acute Ischemic Stroke Diagnosis and Treatment Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Diagnostics

5.2.2. Treatment

CHAPTER 6. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT MARKET SIZE & FORECASTS BY END USER 2022-2032

6.1. Segment Dashboard

6.2. Global Acute Ischemic Stroke Diagnosis and Treatment Market: End User Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Hospitals and Clinics

6.2.2. Ambulatory Surgery Centers

6.2.3. Diagnostic Laboratories and Imaging Centers

6.2.4. Others

CHAPTER 7. GLOBAL ACUTE ISCHEMIC STROKE DIAGNOSIS AND TREATMENT MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Acute Ischemic Stroke Diagnosis and Treatment Market

7.1.1. U.S. Acute Ischemic Stroke Diagnosis and Treatment Market

7.1.1.1. Type breakdown size & forecasts, 2022-2032

7.1.1.2. End User breakdown size & forecasts, 2022-2032

7.1.2. Canada Acute Ischemic Stroke Diagnosis and Treatment Market

7.2. Europe Acute Ischemic Stroke Diagnosis and Treatment Market

7.2.1. U.K. Acute Ischemic Stroke Diagnosis and Treatment Market

7.2.2. Germany Acute Ischemic Stroke Diagnosis and Treatment Market

7.2.3. France Acute Ischemic Stroke Diagnosis and Treatment Market

7.2.4. Spain Acute Ischemic Stroke Diagnosis and Treatment Market

7.2.5. Italy Acute Ischemic Stroke Diagnosis and Treatment Market

7.2.6. Rest of Europe Acute Ischemic Stroke Diagnosis and Treatment Market

7.3. Asia-Pacific Acute Ischemic Stroke Diagnosis and Treatment Market

7.3.1. China Acute Ischemic Stroke Diagnosis and Treatment Market

7.3.2. India Acute Ischemic Stroke Diagnosis and Treatment Market

7.3.3. Japan Acute Ischemic Stroke Diagnosis and Treatment Market

7.3.4. Australia Acute Ischemic Stroke Diagnosis and Treatment Market

7.3.5. South Korea Acute Ischemic Stroke Diagnosis and Treatment Market

7.3.6. Rest of Asia Pacific Acute Ischemic Stroke Diagnosis and Treatment Market

- 7.4. Latin America Acute Ischemic Stroke Diagnosis and Treatment Market
 - 7.4.1. Brazil Acute Ischemic Stroke Diagnosis and Treatment Market
 - 7.4.2. Mexico Acute Ischemic Stroke Diagnosis and Treatment Market
 - 7.4.3. Rest of Latin America Acute Ischemic Stroke Diagnosis and Treatment Market
- 7.5. Middle East & Africa Acute Ischemic Stroke Diagnosis and Treatment Market
 - 7.5.1. Saudi Arabia Acute Ischemic Stroke Diagnosis and Treatment Market
 - 7.5.2. South Africa Acute Ischemic Stroke Diagnosis and Treatment Market
 - 7.5.3. Rest of Middle East & Africa Acute Ischemic Stroke Diagnosis and Treatment Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. AstraZeneca
 - 8.1.2. F. Hoffmann-La Roche Ltd
 - 8.1.3. Koninklijke Philips N.V.
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Medtronic plc
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Siemens
 - 8.3.3. Abbott Laboratories
 - 8.3.4. Johnson & Johnson
 - 8.3.5. GE Healthcare
 - 8.3.6. Stryker Corporation
 - 8.3.7. Merck & Co., Inc.
 - 8.3.8. Bayer AG
 - 8.3.9. Boehringer Ingelheim
 - 8.3.10. Pfizer Inc.
 - 8.3.11. Boston Scientific Corporation
 - 8.3.12. Sanofi S.A.
 - 8.3.13. AstraZeneca
 - 8.3.14. F. Hoffmann-La Roche Ltd
 - 8.3.15. Koninklijke Philips N.V.

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Acute Ischemic Stroke Diagnosis and Treatment Market, report scope

TABLE 2. Global Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by Type 2022-2032 (USD Billion)

TABLE 4. Global Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by End User 2022-2032 (USD Billion)

TABLE 5. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 6. Global Acute Ischemic Stroke Diagnosis and Treatment Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Global Acute Ischemic Stroke Diagnosis and Treatment Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Global Acute Ischemic Stroke Diagnosis and Treatment Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Global Acute Ischemic Stroke Diagnosis and Treatment Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Global Acute Ischemic Stroke Diagnosis and Treatment Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. U.S. Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. U.S. Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. Canada Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada Acute Ischemic Stroke Diagnosis and Treatment Market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, the final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

FIG 1. Global Acute Ischemic Stroke Diagnosis and Treatment Market, research methodology

FIG 2. Global Acute Ischemic Stroke Diagnosis and Treatment Market, market estimation techniques

FIG 3. Global market size estimates & forecast methods.

FIG 4. Global Acute Ischemic Stroke Diagnosis and Treatment Market, key trends 2023

FIG 5. Global Acute Ischemic Stroke Diagnosis and Treatment Market, growth prospects 2022-2032

FIG 6. Global Acute Ischemic Stroke Diagnosis and Treatment Market, porters 5 force model

FIG 7. Global Acute Ischemic Stroke Diagnosis and Treatment Market, PESTEL analysis

FIG 8. Global Acute Ischemic Stroke Diagnosis and Treatment Market, value chain analysis

FIG 9. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, 2022 & 2032 (USD Billion)

FIG 10. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, 2022 & 2032 (USD Billion)

FIG 11. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, 2022 & 2032 (USD Billion)

FIG 12. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, 2022 & 2032 (USD Billion)

FIG 13. Global Acute Ischemic Stroke Diagnosis and Treatment Market by segment, 2022 & 2032 (USD Billion)

FIG 14. Global Acute Ischemic Stroke Diagnosis and Treatment Market, regional snapshot 2022 & 2032

FIG 15. North America Acute Ischemic Stroke Diagnosis and Treatment Market 2022 & 2032 (USD Billion)

FIG 16. Europe Acute Ischemic Stroke Diagnosis and Treatment Market 2022 & 2032 (USD Billion)

FIG 17. Asia Pacific Acute Ischemic Stroke Diagnosis and Treatment Market 2022 & 2032 (USD Billion)

FIG 18. Latin America Acute Ischemic Stroke Diagnosis and Treatment Market 2022 & 2032 (USD Billion)

FIG 19. Middle East & Africa Acute Ischemic Stroke Diagnosis and Treatment Market

2022 & 2032 (USD Billion)

FIG 20. Global Acute Ischemic Stroke Diagnosis and Treatment Market, company market share analysis (2023)

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