

Blood Clot Retrieval Devices Market - Opportunities, Share, Growth and Competitive Analysis and Forecast 2029

The Business Research Company's Blood Clot Retrieval Devices Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- What Is The Forecast For [The Blood Clot Retrieval Devices Market From 2024 To 2029?](#)



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The market sector of blood clot retrieval devices has seen swift expansion in recent years, escalating from a figure of \$2.01 billion in 2024 to an estimated \$2.37 billion in 2025. This amounts to a compound annual growth rate (CAGR) of 17.7%. Factors contributing to this

historical growth include the growing incidence of ischemic strokes, the increased preference for minimally invasive techniques, heightened awareness regarding stroke treatments, an upward trend in healthcare spending, and a growing senior citizen demographic.

Anticipations point toward a swift expansion of the blood clot retrieval devices market in the succeeding years, with the market value expected to climb to \$4.48 billion by 2029, representing a compound annual growth rate (CAGR) of 17.3%. This predicted growth during the forecasted



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period can be linked to factors such as the increasing prevalence of cardiovascular diseases, a rise in demand for progressive neurovascular remedies, escalating investments in healthcare infrastructures, heightened focus on prompt stroke detection, and a growing patient inclination towards minimally invasive treatments. The impending trends within this period encompasses advancements in blood clot retrieval technologies and stroke diagnostic imaging, innovations in minimally invasive neurovascular equipment and catheter-based retrieval systems, as well as the incorporation of artificial intelligence into stroke treatment systems.

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What Are The Core Growth Drivers Shaping The Future Of The Blood Clot Retrieval Devices Market?

The escalating number of stroke cases is anticipated to spur the expansion of the blood clot retrieval devices market in the future. A stroke is a medical emergency that occurs when the blood flow to a segment of the brain is halted or diminished, depriving the brain tissue of essential oxygen and nutrients. The increase in stroke cases can be attributed to the ageing population, given that older individuals are more susceptible to hypertension and vascular issues that contribute to stroke. Blood clot retrieval devices are beneficial to stroke patients as they swiftly eliminate blockages from brain arteries, restore circulation, and minimize the likelihood of permanent disability. For example, the Centers for Disease Control and Prevention, a government entity in the US, reported that approximately 795,000 individuals in the US suffer a stroke annually as of May 2024. Consequently, the escalating incidences of stroke are fueling the expansion of the blood clot retrieval devices market.

Which Companies Are Currently Leading In The Blood Clot Retrieval Devices Market?

Major players in the Blood Clot Retrieval Devices Global Market Report 2025 include:

- Johnson & Johnson
- Abbott Laboratories
- Medtronic plc
- Becton Dickinson and Company
- Stryker Corporation
- Boston Scientific Corporation
- Terumo Corporation
- Edwards Lifesciences Corporation
- Cook Medical LLC
- Merit Medical Systems Inc.

What Are The Key Trends And Market Opportunities In The Blood Clot Retrieval Devices Sector?

Key players in the blood clot retrieval device market are emphasizing on creating innovative solutions, such as dual-mechanism thrombectomy systems. These are projected to boost clot elimination efficiency and mitigate the risks associated with the procedures. Dual-mechanism thrombectomy systems are advanced devices that merge mechanical clot extraction and aspiration methodologies, offering a more optimized way to eliminate acute-to-chronic blood clots, minimize clot migration, and lessen the demand for multiple procedures. For instance, in March 2025, Inari Medical Inc., a leading US medical technology firm, introduced the Artix Thrombectomy System. This is an innovative dual-mechanism arterial thrombectomy system engineered to deal with a broad range of arterial clots. The design merges aspiration and mechanical clot extraction into one procedure, featuring an over-the-wire mechanical component, a low-profile kink-resistant sheath, and a covered nitinol mesh funnel with the intention of reducing clot migration. The device is designed to endow physicians with increased

control and versatility in the procedure, enabling the effective removal of acute and chronic clots whilst maintaining vessel access throughout the intervention.

Comparative Analysis Of Leading [Blood Clot Retrieval Devices Market Segments](#)

The blood clot retrieval devices market covered in this report is segmented as

- 1) By Device Type: Mechanical Embolus Removal Device, Penumbra Blood Clot Retrieval Devices, Stent Retrievers, Aspiration Device, Ultrasound Assisted Devices
- 2) By Technology: Mechanical Thrombectomy, Chemical Thrombectomy, Ultrasound-Assisted Thrombectomy, Laser-Assisted Thrombectomy
- 3) By Stroke Type: Ischemic Stroke, Hemorrhagic Stroke, Pulmonary Embolism, Deep Vein Thrombosis, Transient Ischemic Attack, Other Stroke Types
- 4) By Application: Coronary Arteries, Peripheral Arteries, Cerebral Arteries
- 5) By End-User: Hospitals, Diagnostic Centers, Specialty Clinics, Ambulatory Surgical Centers, Other End Users

Subsegments:

- 1) By Mechanical Embolus Removal Device: Rotational Thrombectomy Systems, Suction Based Systems, Rheolytic Thrombectomy Systems
- 2) By Penumbra Blood Clot Retrieval Devices: Aspiration Systems, Separator Devices, Reperfusion Catheters
- 3) By Stent Retrievers: Self Expanding Stent Retrievers, Retrievable Stent Systems, Balloon Expandable Stent Retrievers
- 4) By Aspiration Device: Large Bore Aspiration Catheters, Vacuum Assisted Aspiration Systems, Manual Aspiration Syringe Systems
- 6) By Ultrasound Assisted Devices: External Ultrasound Assisted Thrombolysis Systems, Catheter Directed Ultrasound Assisted Systems, Portable Ultrasound Assisted Devices

View the full blood clot retrieval devices market report:

<https://www.thebusinessresearchcompany.com/report/blood-clot-retrieval-devices-global-market-report>

Which Regions Are Dominating The Blood Clot Retrieval Devices Market Landscape?

In the Blood Clot Retrieval Devices Global Market Report 2025, North America is identified as the dominant region for 2024. It is projected that the Asia-Pacific region will witness the most rapid growth within the forecasted period. The report encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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