

Global Low Molecular Weight Heparin - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The Global Low Molecular Weight Heparin Market size is estimated at USD 4.43 billion in 2024, and is expected to reach USD 6.10 billion by 2029, growing at a CAGR of 6.60% during the forecast period (2024-2029).

The increasing prevalence of blood disorders and the introduction of low-molecular-weight heparin (LMWH) anticoagulants are among the significant factors driving the growth of the market. For instance, the study published in the Journal of Cureus in October 2023 reported the prevalence of deep vein thrombosis was 7% among adult surgical patients in Aseer Central Hospital in Saudi Arabia. Deep vein thrombosis is the most common preventable cause of death in hospitals, accounting for 10% of all deaths from pulmonary embolism (PE), which occurs when a blood clot from a vein in the leg travels to the lungs. Similarly, according to the Leukemia and Lymphoma Society (LLS), around every 3 minutes, one individual in the United States is diagnosed with leukemia, lymphoma, or myeloma. Moreover, as per the same source, 184,720 people in the United States were estimated to be diagnosed with leukemia and lymphoma in 2023. In addition, 89,380 people were expected to be diagnosed with lymphoma in the United States in 2023, with 8,830 new cases of Hodgkin's lymphoma and 80,550 new cases of non-Hodgkin's lymphoma. Low-molecular-weight heparin is used for the prevention of blood clotting and is indicated for venous thromboembolism, other thrombolytic disorders, and blood cancers. Thus, the rising cases of such disorders are likely to fuel the demand for low-molecular-weight heparin products.

According to the National Institutes of Health (NIH) data published in February 2022, LMWH such as dalteparin and enoxaparin is used to prevent venous thromboembolic disease (VTE) during an acute or elective hospital stay, as well as to treat deep vein

thrombosis (DVT) and pulmonary embolism (PE). As per the same source, over half of the patients admitted to hospitals who are severely ill are at risk of thromboembolic illness, and VTE is responsible for 5% to 10% of hospital mortality, necessitating accurate VTE risk assessment and effective treatment. Such instances will likely positively impact the market's growth over the forecast period.

Therefore, owing to factors such as the increasing prevalence of blood disorders and the significant effectiveness of LMWH, the market is anticipated to witness growth over the forecast period. However, the adverse effects of low molecular weight heparin are likely to impede market growth.

Global Low Molecular Weight Heparin Market Trends

The Deep Vein Thrombosis Segment is Expected to Witness Significant Growth During the Forecast Period

Deep vein thrombosis (DVT), also known as venous thrombosis, occurs when a thrombus (blood clot) forms in veins deep within the body due to injury to the veins or sluggish blood flow. Blood clots can fully or partially stop blood flow through a vein. DVTs are commonly found in the lower leg, thigh, or pelvis but can also occur in the arm, brain, intestines, liver, or kidney.

The increasing prevalence of DVT is one of the major factors driving the segment's growth. For instance, in September 2023, according to the study published in *Frontiers in Medicine*, the prevalence of DVT was 7.6% in patients with liver cirrhosis. Additionally, in May 2023, another study published in *Frontiers in Cardiovascular Medicine* reported that the incidence of DVT was 9.3% among patients with acute and chronic spinal cord injury.

As LMWHs are more effective than no prophylaxis in preventing DVT and pulmonary thromboembolism in high-risk general surgical patients, the demand for LMWH in patients suffering from DVT is anticipated to increase over the coming years, driving the segment's growth. Hence, owing to the above factors, the adoption of these products will likely increase among the target population, driving the segment's growth.

North America is Expected to Dominate the Low Molecular Weight Heparin Market

North America is expected to dominate the market due to the growing burden of diseases, the rising geriatric population, and the rising number of product approvals. For instance, the statistics published by the United Health Foundation highlighted that there were more than 58 million individuals aged 65 and above in the United States, representing 17.3% of the nation's population, in 2022; the figure is estimated to reach 73.1 million, or 22%, by 2040. As the risk of venous thromboembolism is strongly associated with age, the demand for LMWH will also likely increase.

In January 2024, the data update by the National Center for Biotechnology Information showed that up to 200,000 people in the United States were affected with deep venous thrombosis. Among those, 50,000 cases resulted in pulmonary embolism. Deep venous thrombosis (DVT), which leads to pulmonary embolism (PE), is the third most common cardiovascular disease after myocardial infarction and stroke. Such an increase in the target population will ultimately boost the adoption of LMWH products, positively impacting market growth.

Therefore, factors such as the growing burden of the geriatric population and the high prevalence of blood disorders are expected to contribute to market growth.

Global Low Molecular Weight Heparin Industry Overview

The low molecular heparin market is moderately competitive due to the presence of several companies operating globally as well as regionally. The competitive landscape includes an analysis of a few international and local companies holding major market shares. Some of the key players include Changzhou Qianhong Bio-Pharma, Aspen Holdings, Leopharma A/S, Teva Pharmaceutical Industries Ltd, Sanofi, Dr. Reddy's Laboratories Limited, B. Braun Medical Inc., Pfizer Inc., Abbott, and Novartis AG.

Additional Benefits:

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