

Latin America Vagus Nerve Stimulation Market Size, Share & Trends Analysis Report By Product (Implantable VNS Device, External VNS Device), By Application (Epilepsy, Migraine, Depression), By Biomaterial, By End-use, By Country, And Segment Forecasts, 2025 - 2030

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Abstracts

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Latin America Vagus Nerve Stimulation Market Growth & Trends

The Latin America vagus nerve stimulation market size is anticipated to reach USD 38.96 million by 2030 and is anticipated to grow at a CAGR of 12.2% from 2025 to 2030, according to a new report by Grand View Research, Inc. This growth can be attributed to the rising prevalence of neurological and psychiatric disorders, including epilepsy, depression, and migraine, which drives the need for Vagus Nerve Stimulators (VNSs).

The rapid development of healthcare infrastructure in Latin America, driven by public-private partnerships and government investments, presents a significant market opportunity. For instance, in November 2023, Brazil's Mato Grosso do Sul State Governor Eduardo Riedel and Inter-American Development Bank (IDB) collaborated to design a public-private partnership to modernize healthcare facilities. The collaboration seeks to attract USD 0.17 billion for a hospital complex in Camp Grande.

Furthermore, in June 2024, the Brazilian government planned to invest USD 1.03 billion to upgrade hospitals and public universities. This funding is intended to be used to construct 10 new university hospitals across Brazil in five different regions. Such investments are

anticipated enhance access advanced neuromodulation therapies, including VNS, by improving hospital capacity, specialized medical training, and equipment availability. As infrastructure expands, the adoption of advanced treatments such as VNS is expected rise, driving market growth across the region.

Investment and funding in brain-related research treat neurological conditions. For instance, in 2024, Fogarty International Center for Advanced Study in the Health Sciences funded a research project of USD 0.25 million for Alzheimer's disease and brain health research in Colombia. These investments in brain research are anticipated increase awareness about neurological disorders, thereby increasing the adoption of vagus nerve stimulators combat neurological disorders.

However, product recalls for vagus nerve stimulators in Latin American countries are expected significantly affect market growth. Several industry players have faced challenges in this area, with notable incidents reported in recent years. For instance, in January 2025, LivaNova, a prominent vagus nerve stimulation market participant, recalled the VNS Therapy SenTiva DUO in Latin American nations such as Brazil and Colombia. This recall was initiated due concerns that implanted pulse generators might cease deliver therapy because of an internal component issue. Such recalls, due manufacturing defects, design flaws, or potential health risks, can impact brand reputation, eroding consumer trust and confidence in these products.

Latin America Vagus Nerve Stimulation Market Report Highlights

Based on the product, the implantable VNS device segment dominated the market in 2024 owing an increase in the number of patients suffering from different types of headaches, depression, and epilepsy

Based on the application, the epilepsy segment is dominating the market as of 2024, owing the increasing number of regulatory approvals and the high prevalence of epilepsy across the region

Based on biomaterial, the metallic segment dominated the market in 2024

Hospitals held the largest market share in 2024. due the increasing prevalence of neurological disorders such as epilepsy, depression, and migraine and the availability of advanced treatment facilities

Brazil dominated the Latin America vagus nerve stimulators market in

2024, accounting for a 43.14% revenue share due to advanced healthcare infrastructure, higher adoption of neuromodulation therapies, and significant prevalence of neurological disorders such as epilepsy & depression

Major market players operating in the market include LivaNova PLC, Parasym Ltd, Soterix Medical Inc., and Pulsetto. These players adopt various strategies to gain revenue share, such as product launches, mergers & acquisitions, and geographic expansions

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