

# The Lyme Disease Vaccine Market is projected to grow to USD 1.47 Billion by 2029, expanding at a CAGR of 7.1%

*The Business Research Company's Lyme Disease Vaccine Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED KINGDOM, December 15, 2025  
/EINPresswire.com/ -- The [Lyme disease vaccine market](#) has

experienced significant growth recently, reflecting heightened awareness and advancements in healthcare. With increasing cases of Lyme disease and ongoing innovations in vaccine technology, this market is set to expand further as efforts to prevent this tick-borne illness intensify worldwide. Let's explore the current market size, key drivers, major regions, and future trends shaping this vital healthcare segment.

## Market Size and Projected Growth Trajectory of the Lyme Disease Vaccine Market

The Lyme disease vaccine market has shown robust expansion, growing from \$1.04 billion in 2024 to an expected \$1.12 billion in 2025, representing a compound annual growth rate (CAGR) of 7.5%. This upward trend during the historical period can be linked to increased human exposure to ticks due to habitat expansion, improvements in healthcare infrastructure within endemic areas, more research funding for infectious disease vaccines, and a rising consumer focus on preventive health measures related to travel and occupation.

Looking ahead, the market is forecast to continue this strong growth path, reaching \$1.47 billion by 2029 at a CAGR of 7.1%. Factors driving this future growth include the rising incidence of Lyme disease itself, heightened public health awareness about tick-borne illnesses, greater government investments in vaccine development, growing demand for preventive vector-borne disease solutions, and enhanced collaboration among biotech companies to develop new vaccine platforms. Key trends expected to influence the market during this period include advances in mRNA and recombinant Lyme vaccines, integration of Lyme vaccination into routine immunization schedules, innovations in multi-pathogen vaccines targeting tick-borne diseases, global partnerships for vaccine development, and progress in novel delivery technologies.



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### Understanding What Lyme Disease Vaccines Are and How They Work

Lyme disease vaccines are biological products formulated to activate the immune system to recognize and combat *Borrelia burgdorferi* — the bacteria responsible for Lyme disease. By stimulating the production of antibodies that neutralize the bacteria, these vaccines help prevent infection following a tick bite. This preventive approach reduces the risk of disease transmission and the complications that can arise from Lyme disease. Vaccination thus serves as a critical tool in controlling Lyme disease, especially in regions where the disease is endemic.

### Rising Lyme Disease Cases Spur Demand for Vaccines

The growing prevalence of Lyme disease is a major factor propelling the vaccine market's expansion. Caused by *Borrelia* bacteria and transmitted through tick bites, Lyme disease can cause symptoms such as fever, fatigue, and rash, and if untreated, can lead to serious joint, heart, or neurological issues. Climate change—with warmer temperatures and milder winters—has expanded tick habitats, increasing human exposure to infected ticks and driving up Lyme disease cases. Vaccines help reduce infections by priming the immune system to recognize and fight the bacteria, offering lasting protection and simplifying disease management. For instance, in March 2025, the US Centers for Disease Control and Prevention reported approximately 89,000 confirmed Lyme disease cases in 2023, though other estimates suggest that nearly 476,000 people are diagnosed and treated annually in the US. This rising disease burden is a key driver of the Lyme disease vaccine market.

View the full Lyme disease vaccine market report:

<https://www.thebusinessresearchcompany.com/report/global-lyme-disease-vaccine-market-report>

### Healthcare Spending Boosts Vaccine Research and Development

Another important growth factor for the Lyme disease vaccine market is the increase in healthcare expenditure. This spending covers a wide range of medical services, treatments, research, and public health programs aimed at improving health outcomes. With chronic and infectious diseases requiring costly, long-term care, rising healthcare budgets enable greater funding for vaccine research and clinical trials, accelerating innovation and production. Enhanced financial support fosters cutting-edge vaccine technologies, improving accessibility and effectiveness for vulnerable populations. For example, in May 2024, the UK's Office for National Statistics reported a 5.6% nominal growth in total healthcare expenditure during 2023, marking a 0.9% increase compared to 2022. Such investment trends are essential contributors to the ongoing Lyme disease vaccine market growth.

### Leading Regions in the [Lyme Disease Vaccine Market Outlook](#)

In 2024, North America held the largest share of the Lyme disease vaccine market, driven by high disease prevalence, robust healthcare infrastructure, and substantial government support.

Meanwhile, the Asia-Pacific region is anticipated to be the fastest-growing market throughout the forecast period, fueled by rising awareness, expanding healthcare access, and growing investments in vaccine development. Other key regions analyzed in the market include Western Europe, Eastern Europe, South America, the Middle East, and Africa, each contributing to the global dynamics of this vaccine market.

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