

# Lupus Nephritis Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034

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## Abstracts

The 7 major lupus nephritis markets reached a value of US\$ 2.2 Billion in 2023. Looking forward, IMARC Group expects the 7MM to reach US\$ 5.5 Billion by 2034, exhibiting a growth rate (CAGR) of 8.45% during 2024-2034.

The lupus nephritis market has been comprehensively analyzed in IMARC's new report titled "Lupus Nephritis Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034". Lupus nephritis refers to a complication of systemic lupus erythematosus (SLE), an autoimmune disease affecting various parts of the body, including the kidneys. It occurs when the immune system accidentally attacks the kidneys, causing inflammation and tissue damage. The general symptoms of the ailment are fever, edema (mainly in the legs, feet, or ankles), joint and muscle pain, malar rash, foamy urine, etc. Some people may also experience fatigue, weight gain, and shortness of breath. In severe cases, these indications worsen over time and lead to kidney failure. The diagnosis of lupus nephritis depends on a review of the patient's symptoms and laboratory investigations. Blood and urine tests are performed to detect abnormalities in kidney function, such as protein and blood in the urine, as well as inflammation markers in the blood. The healthcare provider may also perform diagnostic procedures, including X-rays and kidney ultrasounds, to visualize the stage and extent of the disease. Additionally, a kidney biopsy, which involves taking a tiny piece of renal tissue for investigation under a microscope, is required to confirm a diagnosis and guide treatment.

The rising cases of autoimmune diseases, which cause inflammation and scarring of the kidney tissues, are primarily driving the lupus nephritis market. In addition to this, the increasing prevalence of various associated risk factors, including genetic

predisposition, certain infections, exposure to toxins, etc., is also bolstering the market growth. Furthermore, the escalating utilization of immunosuppressive drugs, such as mycophenolate mofetil and azathioprine, to manage the underlying symptoms of the ailment is acting as another significant growth-inducing factor. Apart from this, the growing application of monoclonal antibodies, which are designed to treat an excess of interferon activation and reduce inflammation, is further creating a positive outlook for the market. Moreover, various government authorities are taking initiatives to enhance access to care for patients with lupus nephritis, including increasing funding for healthcare infrastructure and reimbursement rates for providers. This, in turn, is also propelling the market growth. Additionally, the emerging popularity of renin-angiotensin-aldosterone system (RAAS) blockers, such as angiotensin-converting enzyme (ACE) inhibitors, angiotensin II receptor blockers (ARBs), aldosterone antagonists, etc., which can reduce high blood pressure and preserve kidney function in patients, is expected to drive the lupus nephritis market in the coming years.

IMARC Group's new report provides an exhaustive analysis of the lupus nephritis market in the United States, EU4 (Germany, Spain, Italy, and France), United Kingdom, and Japan. This includes treatment practices, in-market, and pipeline drugs, share of individual therapies, market performance across the seven major markets, market performance of key companies and their drugs, etc. The report also provides the current and future patient pool across the seven major markets. According to the report, the United States has the largest patient pool for lupus nephritis and also represents the largest market for its treatment. Furthermore, the current treatment practice/algorithm, market drivers, challenges, opportunities, reimbursement scenario, unmet medical needs, etc., have also been provided in the report. This report is a must-read for manufacturers, investors, business strategists, researchers, consultants, and all those who have any kind of stake or are planning to foray into the lupus nephritis market in any manner.

#### Recent Developments:

In March 2024, Lupus Therapeutics declared a collaboration with Artiva Biotherapeutics, Inc. on a phase 1 trial of the novel NK cell-based therapy AlloNK (also called AB-101), in combination with anti-CD20 antibodies for individuals with active lupus nephritis.

AlloNK is a non-genetically modified, allogeneic, cryopreserved natural killer (NK) cell treatment candidate designed to improve the efficacy of targeted monoclonal antibodies in depleting dangerous B cells.

In February 2024, Everest Medicines and Kezar Life Sciences, Inc. announced that the Center for Drug Evaluation (CDE) of China's National Medical Products Administration (NMPA) granted Kezar's investigational new drug (IND) application for the Phase 2b

PALIZADE trial of zetomipzomib in patients with lupus nephritis in China. Zetomipzomib is a new, first-in-class, selective immunoproteasome inhibitor with extensive therapeutic potential across numerous autoimmune disorders.

In February 2024, Atara Biotherapeutics, Inc. announced that the company had recently submitted an Investigational New Drug (IND) application to the U.S. FDA for the use of ATA3219 as a monotherapy for the management of systemic lupus erythematosus with kidney involvement (lupus nephritis).

In June 2023, Lupus Therapeutics announced the initiation of a collaboration to perform three Phase 3 clinical trials of ianalumab, an experimental treatment for lupus nephritis.

#### Key Highlights:

Lupus nephritis affects over 40% of patients with systemic lupus erythematosus.

Approximately 3 out of 10,000 people have lupus nephritis.

Lupus nephritis frequently arises early in the illness course, usually within the first 6 to 36 months, and may be present at the first diagnosis.

Asians had a higher incidence of lupus nephritis (55%), followed by Africans (51%) and Hispanics (43%), compared to Caucasians (14%).

Patients with lupus nephritis had a death rate of more than 50% after 20 years, and of those who survived, 40% had end-stage renal disease.

#### Drugs:

LUPKYNIS is the first FDA-approved oral therapy for lupus nephritis. It works by inhibiting the progression of lupus nephritis and sparing the kidneys from permanent damage caused by this severe condition. The healthcare provider recommends that LUPKYNIS should not be taken with cyclophosphamide.

Secukinumab is an under investigation, anti-IL17A monoclonal antibody for the treatment of lupus nephritis. It works by inhibiting the molecule interleukin-17A (IL-17A), which plays a key role in inflammation.

Zanubrutinib is under clinical development by BeiGene. It is designed to be taken orally in the form of hard gelatin capsules. The drug is used to treat adult patients with lupus nephritis.

#### Time Period of the Study

Base Year: 2023

Historical Period: 2018-2023

Market Forecast: 2024-2034

Countries Covered

United States

Germany

France

United Kingdom

Italy

Spain

Japan

Analysis Covered Across Each Country

Historical, current, and future epidemiology scenario

Historical, current, and future performance of the lupus nephritis market

Historical, current, and future performance of various therapeutic categories in the market

Sales of various drugs across the lupus nephritis market

Reimbursement scenario in the market

In-market and pipeline drugs

Competitive Landscape:

This report also provides a detailed analysis of the current lupus nephritis marketed drugs and late-stage pipeline drugs.

In-Market Drugs

Drug Overview

Mechanism of Action

Regulatory Status

Clinical Trial Results

Drug Uptake and Market Performance

Late-Stage Pipeline Drugs

Drug Overview

Mechanism of Action

Regulatory Status

## Clinical Trial Results Drug Uptake and Market Performance

\*Kindly note that the drugs in the above table only represent a partial list of marketed/pipeline drugs, and the complete list has been provided in the report.

## Key Questions Answered in this Report: Market Insights

How has the lupus nephritis market performed so far and how will it perform in the coming years?

What are the markets shares of various therapeutic segments in 2023 and how are they expected to perform till 2034?

What was the country-wise size of the lupus nephritis market across the seven major markets in 2023 and what will it look like in 2034?

What is the growth rate of the lupus nephritis market across the seven major markets and what will be the expected growth over the next ten years?

What are the key unmet needs in the market?

## Epidemiology Insights

What is the number of prevalent cases (2018-2034) of lupus nephritis across the seven major markets?

What is the number of prevalent cases (2018-2034) of lupus nephritis by age across the seven major markets?

What is the number of prevalent cases (2018-2034) of lupus nephritis by gender across the seven major markets?

What is the number of prevalent cases (2018-2034) of lupus nephritis by type across the seven major markets?

How many patients are diagnosed (2018-2034) with lupus nephritis across the seven major markets?

What is the size of the lupus nephritis patient pool (2018-2023) across the seven major markets?

What would be the forecasted patient pool (2024-2034) across the seven major markets?

What are the key factors driving the epidemiological trend of lupus nephritis?

What will be the growth rate of patients across the seven major markets?

## Lupus Nephritis: Current Treatment Scenario, Marketed Drugs and Emerging Therapies

What are the current marketed drugs and what are their market performance?

What are the key pipeline drugs and how are they expected to perform in the coming years?

How safe are the current marketed drugs and what are their efficacies?

How safe are the late-stage pipeline drugs and what are their efficacies?

What are the current treatment guidelines for lupus nephritis drugs across the seven major markets?

Who are the key companies in the market and what are their market shares?

What are the key mergers and acquisitions, licensing activities, collaborations, etc. related to the lupus nephritis market?

What are the key regulatory events related to the lupus nephritis market?

What is the structure of clinical trial landscape by status related to the lupus nephritis market?

What is the structure of clinical trial landscape by phase related to the lupus nephritis market?

What is the structure of clinical trial landscape by route of administration related to the lupus nephritis market?

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