

Pyelonephritis Treatment Market Poised for Breakthrough Growth with Rising Demand for Advanced Therapies 2025-2033

The Pyelonephritis Treatment Market is expected to reach at a CAGR of 5.8% during the forecast period 2025-2033.

AUSTIN, TX, UNITED STATES,
September 16, 2025 /
EINPresswire.com/ -- Overview of the Market:

The [Pyelonephritis Treatment Market](#) is witnessing steady growth as healthcare providers and pharmaceutical companies focus on advanced

therapies to manage acute and chronic kidney infections effectively. Pyelonephritis, a severe urinary tract infection that affects the kidneys, requires prompt treatment with antibiotics and in some cases hospitalization, fueling consistent demand for therapeutics. Increasing prevalence of urinary tract infections (UTIs), rise in antibiotic resistance, and growing awareness about early diagnosis are contributing to the market's expansion.

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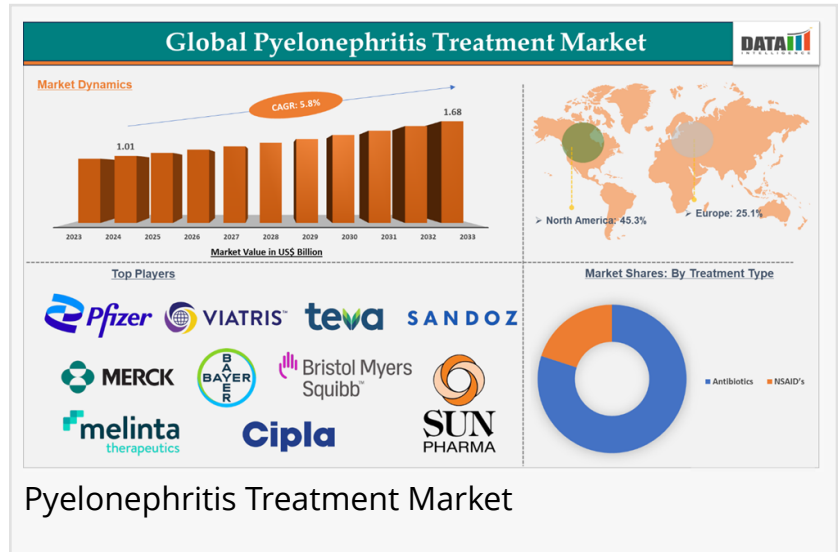
The Pyelonephritis Treatment Market is driven by rising UTI cases, advanced antibiotics, improved diagnostics, and growing awareness, fueling global healthcare demand.”
DataM Intelligence

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According to DataM Intelligence, The Global Pyelonephritis Treatment Market was valued at US\$ 1,014.39 million in 2024 and is projected to grow at a CAGR of 5.8% during 2025–2033. The rising incidence of kidney infections among women, elderly patients, and individuals with

underlying conditions such as diabetes is expected to drive adoption of advanced treatment options. Antibiotics remain the dominant treatment category, while hospitals account for the majority of end-use demand due to emergency care needs. Regionally, North America leads the market, supported by high healthcare expenditure, advanced diagnostic infrastructure, and



strong pharmaceutical pipelines.

Key Highlights from the Report:

Increasing global incidence of urinary tract infections (UTIs) is boosting demand for pyelonephritis therapies.

Antibiotics remain the most prescribed treatment category in the market.

North America dominates the global market, followed by Europe and Asia-Pacific.

Rising antibiotic resistance is driving research into novel therapies and drug combinations.

Hospitals and emergency care centers represent the largest end-user segment.

Key pharmaceutical players are investing in new antibiotic launches and strategic collaborations.

Market Segmentation:

The Pyelonephritis Treatment Market is segmented by treatment type, route of administration, and end-users. Antibiotics represent the largest product category, as they form the first line of treatment for both acute and chronic cases. Within this segment, fluoroquinolones, cephalosporins, and aminoglycosides are commonly used due to their broad-spectrum activity. However, increasing resistance is pushing demand for combination therapies and novel antibiotics.

Based on the route of administration, the market is divided into oral and parenteral formulations. Oral antibiotics dominate in mild to moderate cases, while intravenous therapies are crucial for severe infections that require hospitalization. End-users include hospitals, specialty clinics, and retail pharmacies, with hospitals accounting for the largest share due to their ability to manage acute complications.

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Regional Insights:

North America holds the dominant share in the pyelonephritis treatment market, driven by high diagnosis rates, availability of advanced healthcare facilities, and active research into novel antibiotics. The U.S. market benefits from robust pharmaceutical pipelines and rapid adoption of new treatment guidelines.

Europe represents the second-largest regional market, supported by rising awareness about antibiotic stewardship programs and government initiatives to combat antimicrobial resistance. Countries such as Germany, France, and the U.K. are major contributors.

Asia-Pacific is projected to grow at the fastest CAGR during the forecast period, owing to

increasing prevalence of UTIs, rising healthcare infrastructure investments, and growing demand for cost-effective antibiotics in countries like India and China. Meanwhile, Latin America and the Middle East & Africa are emerging markets with improving healthcare access and rising patient awareness, although challenges related to affordability and limited healthcare infrastructure persist.

Market Dynamics:

Market Drivers

The growing prevalence of UTIs globally is a major driver for the pyelonephritis treatment market. Women are particularly at risk, with recurrent infections leading to higher treatment needs. Additionally, the aging population and increased incidence of comorbidities such as diabetes contribute to rising kidney infection cases. The launch of innovative antibiotics and improved diagnostic techniques further supports market expansion.

Market Restraints

One of the biggest challenges is the rising antibiotic resistance observed in bacterial strains such as E. coli, which reduces the effectiveness of commonly prescribed drugs. High treatment costs for severe cases, coupled with limited access to healthcare in developing nations, also pose barriers to market growth.

Market Opportunities

There are significant opportunities in the development of novel antibiotics, combination therapies, and non-antibiotic approaches to overcome resistance challenges. Growing investments in clinical trials and government initiatives for antimicrobial resistance management are expected to create new avenues for stakeholders. Additionally, expanding healthcare infrastructure in emerging economies will open growth opportunities for generic drug manufacturers.

Frequently Asked Questions (FAQs)

How big is the global pyelonephritis treatment market?

Who are the key players in the global pyelonephritis treatment market?

What is the projected growth rate of the pyelonephritis treatment industry?

What is the market forecast for 2031?

Which region is estimated to dominate the pyelonephritis treatment market through the forecast period?

Company Insights:

Leading companies in the Pyelonephritis Treatment Market include:

Pfizer Inc.

Teva Pharmaceuticals USA, Inc.

Bayer AG
Sandoz AG
Bristol-Myers Squibb Company
Viatris Inc.
Melinta Therapeutics, LLC.
Cipla.
Merck & Co., Inc.
Sun Pharmaceutical Industries Ltd.

Recent Developments:

USA:

FDA approved a new extended-release formulation of ceftolozane/tazobactam for acute pyelonephritis treatment (July 2025).

Large hospital chain launched an AI-based rapid diagnostic system for pyelonephritis to optimize antibiotic use (August 2025).

Japan:

Ministry of Health endorsed a clinical trial for a novel oral antibiotic targeting resistant pyelonephritis strains (June 2025).

Major insurer began reimbursement for telemedicine-led pyelonephritis management programs (September 2025).

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Conclusion:

The Pyelonephritis Treatment Market is set for steady growth, driven by increasing UTI prevalence, aging populations, and advancements in antibiotic development. While challenges such as rising drug resistance remain significant, opportunities in research, innovation, and expanding access in emerging markets offer promising prospects for stakeholders. With North America leading and Asia-Pacific emerging as the fastest-growing region, the industry is expected to remain dynamic, with strong demand for effective and accessible therapies shaping its future.

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