

Global Acute Renal Failure Market Insights 2025: Key Trends, Market Size, and Growth Forecast

The Business Research Company's Global Acute Renal Failure Market Insights 2025: Key Trends, Market Size, and Growth Forecast

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The acute renal failure (ARF) market has experienced strong growth in recent years. It is projected to increase from \$6.09 billion in 2024 to \$6.62 billion in 2025, reflecting a CAGR of 8.6%. The growth in the past period was driven by factors such as a rising aging population, increasing sepsis cases, advancements in diagnostics, government healthcare initiatives, and a higher prevalence of nephrotoxic medication use.

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It will grow to \$9.09 billion in 2029 at a compound annual growth rate (CAGR) of 8.3%.

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Is the Acute Renal Failure Market Set to Witness Substantial Growth?

Forecasted growth for the ARF market also appears promising. By 2029, the market is predicted to reach \$9.09 billion, with a CAGR of 8.3%. Expansion of home-based dialysis solutions, emerging markets, development of renal biomarkers, Research & Development activities for the creation of new therapeutic drugs, and increased demand for non-invasive diagnostics all contribute to this projected growth. Ongoing innovations in continuous renal replacement therapy CRRT, 3d bioprinting of renal tissue, wearable biosensors, next-generation dialysis machines, and nanotechnology-enabled drug delivery represent major trends likely to shape the ARF market during this forecast period.

What Drives The Market Growth?

In tandem with these developments, the rising prevalence of chronic kidney disease CKD is expected to drive further growth in the ARF market. CKD is a long-term condition in which the kidneys are damaged and unable to filter blood efficiently. This condition's increasing prevalence worldwide is due to escalating rates of diabetes, hypertension, obesity, an aging population, and lifestyle-related factors. As ARF can trigger or exacerbate CKD, resulting in lasting kidney tissue damage, impaired filtration efficiency, and increased risk of long-term, progressive kidney dysfunction, these diseases' interplay underlines an urgent need for its effective management.

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For instance, as per a report published by Kidney Research UK in June 2023, approximately 7.2 million people in the UK, representing over 10% of the population, currently live with CKD. By 2033, this figure is anticipated to rise to 7.61 million. Therefore, the increasing prevalence of chronic kidney diseases is poised to drive ARF market expansion.

Who Are The Key Players In The Acute Renal Failure Market?

Major players in the ARF market like Pfizer Inc., Novartis AG, LG Chem Ltd., Medtronic plc, Fresenius Medical Care AG & Co. KGaA, Asahi Kasei Corporation, Baxter International Inc., Astellas Pharma Inc., Syensqo, Dr. Reddy's Laboratories Limited, Zydus Lifesciences Limited, NIKKISO Co., Ltd., Quark Pharmaceuticals Inc., NIPRO Corporation, Alloksys Life Sciences B.V., AM-Pharma B.V., Sentien Biotechnologies, MediBeacon LLC, Angion Biomedica Corp., and Atox Bio Ltd. have been instrumental to the ARF market's blossoming.

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What Are The Emerging Trends In The Acute Renal Failure Market?

Companies like CalciMedica focus on obtaining regulatory approvals for drugs to expand their reach and solidify their position in treating severe acute kidney injury AKI. For example, in February 2024, the US-based clinical-stage biopharmaceutical firm earned an FDA Approval for a Phase 2 trial of Auxora to evaluate its efficacy in treating AKI associated with acute hypoxemic respiratory failure AHRF.

How Is The Acute Renal Failure Market Segmented?

1 By Disease Type: Prerenal Acute Renal Failure, Renal Acute Renal Failure, Postrenal Acute Renal

Failure

2 By Drug Type: Diuretics, Vasopressors, Erythropoiesis-Stimulating Agents ESAS, Phosphate Binders, Calcium and Vitamin D Supplements, Antibiotics, Others Drugs

3 By Route of Administration: Oral, Intravenous

4 By Diagnosis: Computed Tomography CT Scan, Kidney Biopsy, Ultrasound

5 By End-Users: Clinics, Hospitals, Home Healthcare, Others End-Users

The market also has subsegments based on Prerenal, Renal, and Postrenal Acute Renal Failure types, each with specific categories like Hypovolemia, Acute Tubular Necrosis, and Obstructive Uropathy, respectively.

What Is The Regional Analysis Of Acute Renal Failure Market?

In 2024, North America held the largest share of the ARF market. By contrast, Asia-Pacific is tipped to be the fastest-growing region during the forecast period. The report comprehensively covers regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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