

# U.S. Renal Denervation Catheter Market Size, Share & Trends Analysis Report By Product (Radiofrequency (RF) Ablation Catheters, Ultrasound Ablation Catheters), By End Use, And Segment Forecasts, 2025 - 2033

<https://marketpublishers.com/r/UDD7031CB4AAEN.html>

Date: July 2025

Pages: 150

Price: US\$ 5,950.00 (Single User License)

ID: UDD7031CB4AAEN

## Abstracts

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### U.S. Renal Denervation Catheter Market Summary

The U.S. renal denervation catheter market size was estimated at USD 23.20 million in 2025 and is projected to reach USD 182.70 million by 2033, growing at a CAGR of 29.43% from 2025 to 2033. The growth is driven by the rising prevalence of hypertension and growing awareness about the limitations of pharmacological treatments, increasing clinical evidence supporting the safety and efficacy of renal denervation, and favorable regulatory advancements, such as the recent FDA approval, are further accelerating market adoption.

According to data released by the National Center for Health Statistics and the National Health and Nutrition Examination Survey in October 2024, the prevalence of hypertension among U.S. adults was 23.4% for those aged 18-39, rising to 52.5% for individuals aged 40-59, and reaching 71.6% for those aged 60 and older during the period from August 2021 to August 2023.

The high prevalence of hypertension is one of the primary drivers for the U.S. renal denervation catheter industry. In addition, a growing subset of patients suffers from treatment-resistant hypertension, which does not respond adequately to multiple antihypertensive medications. This widespread burden of disease creates a strong

clinical need for alternative therapeutic interventions, such as renal denervation, which offers a non-pharmacological approach to long-term blood pressure control. As awareness and diagnosis rates improve, the eligible patient pool for RDN procedures is expected to expand, further propelling market demand.

## U.S. Renal Denervation Catheter Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2025 to 2033. For this study, Grand View Research has segmented the U.S. renal denervation catheter market report based on product and end use:

Product Outlook (Revenue, USD Million, 2025 - 2033)

Radiofrequency (RF) Ablation Catheters

Ultrasound Ablation Catheters

End Use Outlook (Revenue, USD Million, 2025 - 2033)

Hospitals

Other

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