

U.S. Anesthesia Information Management Systems Market Size, Share & Trends Analysis Report By Solutions (Software Only, Software With Hardware & Related Components), By End-use (Hospitals, Ambulatory Surgery Centers), And Segment Forecasts, 2025 - 2033

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Abstracts

U.S. Anesthesia Information Management Systems Market Summary

The U.S. anesthesia information management systems market size was estimated at USD 341.2 million in 2024 and is projected to reach USD 520.6 million by 2033, growing at a CAGR of 4.6% from 2025 to 2033. Rising hospital admission rates, an increase in surgical operations, and the quick uptake of healthcare information technology (HCIT) solutions are contributing to the growth of the U.S. anesthesia information management market.

The U.S. anesthesia information management systems (AIMS) market is driven by the broader digital transformation in healthcare, as hospitals and surgical centers increasingly see the need for advanced solutions beyond manual record-keeping. AIMS platforms improve documentation accuracy, standardize workflows, and ensure compliance with strict reporting requirements, which become more important as value-based care models gain traction. In addition, the focus on reducing medication errors, minimizing anesthesia-related risks, and improving perioperative efficiency encourages providers to invest in these systems. Seamless integration with EHR platforms, billing systems, and quality registries further enhances their value, making AIMS a key part of hospital IT strategies.

This momentum for adoption is reinforced by significant progress across the U.S. healthcare system, where providers are leveraging proven platforms to achieve measurable results. Hospitals and surgical centers prioritize scalability and interoperability, which encourages the adoption of solutions capable of managing complex clinical environments. For example, Plexus Technology Group's Anesthesia Touch AIMS, which has been implemented in over 1,000 hospitals and now supports millions of surgical procedures nationwide. This demonstrates how leading platforms establish adoption standards while highlighting the clinical and operational benefits of digital anesthesia management. It also reflects a broader industry trend where data-driven decisions and enhanced perioperative insights are increasingly vital for standing out in healthcare services.

U.S. Anesthesia Information Management Systems Market Report Segmentation

This report forecasts revenue growth at regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. anesthesia information management system market report based solution, and end-use.

Solution Outlook (Revenue, USD Million, 2021 - 2033)

Software Only

Software with Hardware and Related Components [IT support, Training Costs (Per Provider)]

End-use Outlook (Revenue, USD Million, 2021 - 2033)

Hospitals

Ambulatory Surgery Centers

This report can be delivered to the clients within 3 Business Days

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