

# **U.S. Federated Learning Market Size, Share & Trends Analysis Report By Organization Size (Large Enterprises, SEMs), By Industry Vertical (BFSI, Automotive), By Application (Drug Discovery, Industrial internet of things), And Segment Forecasts, 2026 - 2033**

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## **Abstracts**

The U.S. federated learning market size was valued at USD 32.7 million in 2025 and is projected to grow from USD 36.5 million in 2026 to USD 127.8 million by 2033, at a CAGR of 19.6% from 2026 to 2033. The market is growing as enterprises increasingly deploy AI models across distributed devices while combining federated learning with secure aggregation, differential privacy, and edge MLOps to improve data security, model governance, and real-time AI performance without centralizing sensitive data.

The growing emphasis on data privacy is a major market driver. Organizations across healthcare & life sciences, banking, insurance, and government sectors are required to comply with strict regulations regarding the storage and sharing of sensitive data. Federated learning enables AI models to be trained without transferring raw data from local devices or servers, helping organizations maintain data security while complying with regulatory requirements. This approach reduces the risk of data breaches and supports the adoption of AI in industries where privacy is a key concern. As a result, enterprises are increasingly investing in federated learning solutions to develop secure and compliant AI applications.

The rapid adoption of artificial intelligence across industries such as Healthcare & Life Sciences, BFSI, manufacturing, and telecommunications is driving demand for federated learning in the U.S. Organizations are increasingly using AI for applications

including disease diagnosis, fraud detection, predictive maintenance, and customer service. Since valuable data is often stored across multiple locations, federated learning enables organizations to collaboratively train AI models without centralizing their datasets. This improves model accuracy while protecting sensitive business and customer information. The growing deployment of AI-powered solutions across enterprises is therefore creating strong demand for federated learning technologies.

The expansion of edge computing infrastructure and the increasing number of connected devices are significantly contributing to market growth. Smartphones, IoT devices, autonomous vehicles, wearable devices, and industrial sensors continuously generate large volumes of data at the network edge. Federated learning allows AI models to be trained directly on these devices, reducing the need to transfer large datasets to centralized cloud platforms. This improves response times, lowers network bandwidth requirements, and enhances data security. As businesses continue investing in edge AI and distributed computing environments, the adoption of federated learning is expected to increase steadily.

## **U.S. Federated Learning 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 2021 to 2033. For this study, Grand View Research has segmented the U.S. federated learning market report based on organization size, application, and industry vertical:

### **Organization Size Outlook (Revenue, USD Million, 2021 - 2033)**

SMEs

Large Enterprises

### **Application Outlook (Revenue, USD Million, 2021 - 2033)**

Drug Discovery

Industrial internet of things

Risk Management

Augmented and Virtual Reality

Data Privacy Management

Others

Industry Vertical Outlook (Revenue, USD Million, 2021 - 2033)

BFSI

Retail & E-commerce

IT & Telecommunication

Healthcare & Life Sciences

Automotive

Others

**This report can be delivered to the clients within 4 Business Days**

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