

U.S. AI In Physical Therapy Market Size, Share & Trends Analysis Report By Component (Software, Services), By Deployment Mode (Cloud-based, Server-based), By Application, By End Use, And Segment Forecasts, 2026 - 2033

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Abstracts

The U.S. AI in physical therapy market was estimated at USD 178.00 million in 2025 and is projected to reach USD 1,069.81 million by 2033, growing at a CAGR of 25.24% from 2026 to 2033. The rising prevalence of musculoskeletal (MSK) conditions, growing adoption of telehealth and telemedicine are significant factors contributing to market growth.

The country faces a growing burden of musculoskeletal conditions, driven by a larger geriatric population, sedentary lifestyles, and sports-related injuries. As the population ages, demand for physical therapy services rises, with conditions such as osteoarthritis, osteoporosis, and falls becoming more prevalent. For example, the Health Policy Institute reports that low back pain—affecting nearly 65 million Americans each year—remains the most common MSK complaint.

Moreover, therapist shortages and burnout in outpatient and hospital-based PT settings drive interest in AI tools that automate repetitive tasks and documentation. AI-driven physical therapy software is able to automatically generate visit notes, track home-exercise adherence, and adjust plans based on real-time performance metrics, thereby reducing administrative burden.

Computer-vision systems provide form feedback and rep counting. Therapists can supervise more patients asynchronously and allocate in-person time to address complex needs. Abto Software data shows digital rehabilitation improves recovery by

27%. These efficiency gains support higher throughput and revenue per clinician. This is critical for large MSK networks, hospital systems, and digital PT companies seeking to scale without increasing staff linearly.

U.S. AI In Physical Therapy 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. AI in physical therapy market report based on component, deployment mode, modality, application, and end use:

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

Software

Services

Deployment Mode Outlook (Revenue, USD Million, 2021 - 2033)

Cloud-Based

Server-based

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

Musculoskeletal (MSK) Rehabilitation

Post-Acute & Post-Surgical Rehabilitation

Neurological Rehabilitation

Sports & Performance Therapy

Others

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

Outpatient Physical Therapy Clinics

Hospitals & Health Systems

Homecare Settings

Others

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

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