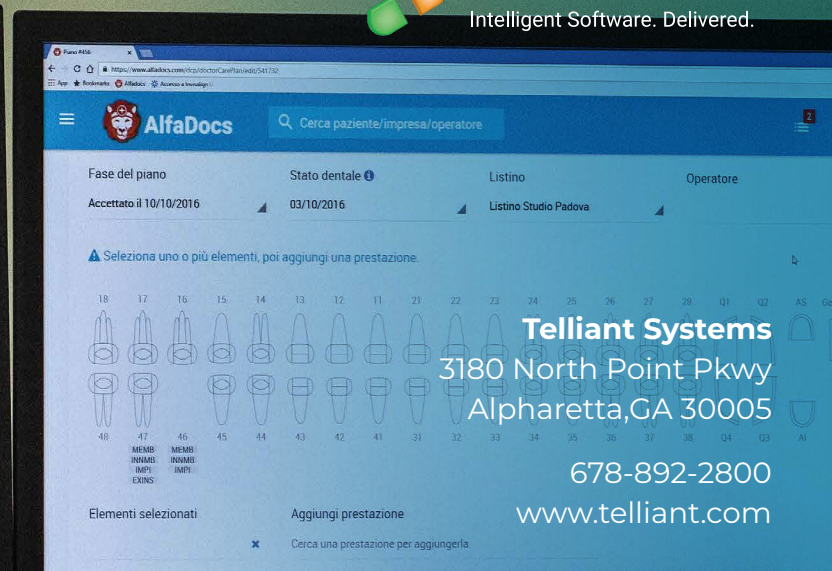
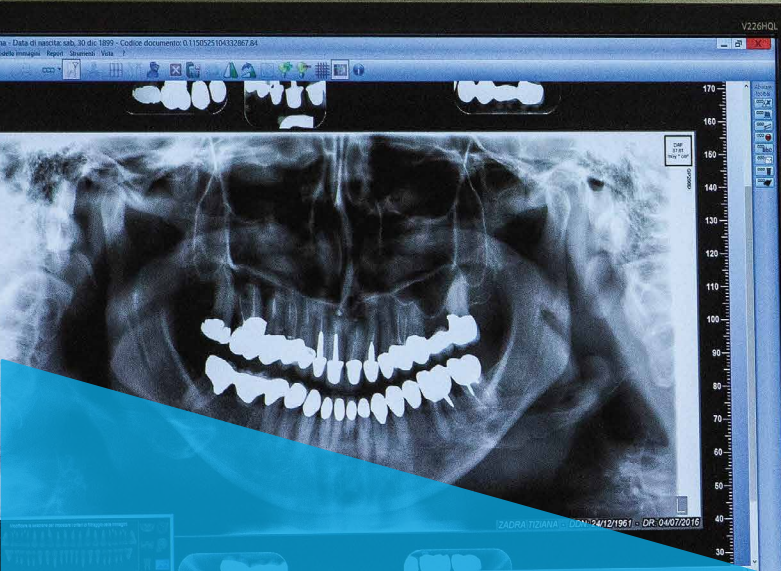




Case Study

Cloud Based EHR System for Dental Practices

The Client

The client is a healthcare technology vendor offering cloud-based EHR solutions for dental practices, integrating clinical and administrative management. Features include scheduling, eligibility verification, claims processing, revenue cycle management, charting, and diagnosis tracking.

We developed their dental-specific EHR product to achieve ONC-ACB certification while delivering comprehensive functionality that meets regulatory and operational requirements.

The Challenge

The client needed Telliant's software expertise to design user interfaces, databases, and integrated functionalities. They wanted a cloud-based product with a scalable architecture to accommodate practices of any size and their patient databases.

The product's success in the marketplace hinged on obtaining the MU certification to meet competitive demands. The new requirements

- ✔ Enhanced charting with color tooth graphics and customized treatment plans .
- ✔ Efficient scheduling featuring color-coding, notifications, and check-in/out tracking.
- ✔ Certified ePrescribing integration for medication history, allergies, interactions, and formulary management
- ✔ Comprehensive billing with insurance verification, claims submission, and payment processing.
- ✔ Fully certified MU ONC-ACB compliant EHR with adaptable code and certification support



Technology Environment

Telliant worked with the client to identify/create the most suitable tech-stack for the project to include the following

LANGUAGES

- ASP.NET
- C#
- JS

PLATFORMS/SERVERS

- MVC Architecture
- SQL Server
- SQL Server

INTEGRATIONS

- ePrescribe APIs
- ICD-9-10
- CDT/SNODENT
- SNOMED
- CQM reporting
- CCDA

About Us

Telliant Systems, offers a diverse selection of custom software product development services, such as product strategy, software design, application development, QA/Testing, and application management services. Expert teams are available to develop web, enterprise, and mobile applications, including iOS and Android development.

Solution Highlights

The newly developed EHR system has evolved into a robust and user-friendly software solution that significantly enhances the workflow of clinicians.

The seamless integration of administrative and medical aspects within the practice, resulting in a more efficient and effective healthcare experience for both healthcare providers and patients.

Charting: Dental-specific graphics for accurate tooth charts and customizable treatment displays.

Scheduling: Color-coded appointments with notifications, check-in/out indicators, and waiting room management.

EPrescribing: Certified system tracking medications, allergies, interactions, and eligibility.

Billing: Insurance verification, claims submission, payment processing, and patient ledger.

Patient Portal: Medication access, refill requests, secure messaging, lab results, and appointment management.

Meaningful Use: ONC-ACB 2011 & 2014 certified with adaptable code and certification support.

HIPAA Compliant: HIPAA compliant with encrypted messaging, ICD 9-10, SNOMED, and CCDA integration.

Insights and Results

This cloud-based healthcare software solution is easily supported, providing a low Total Cost of Ownership and an attractive Return on Investment. Client has increased their market share by 75% with the increased scalability and ability to handle large DSOs.

