

CUSTOMER CASE STUDY

HOW SIGNATURE DENTAL PARTNERS ACHIEVED 13X ROI WITH OVERJET AI AT COSTA VERDE DENTAL

A 100+ office DSO uses clinical AI to drive diagnosis confidence, treatment acceptance, and measurable practice growth.

13X

RETURN ON INVESTMENT

88+%

TREATMENT ACCEPTANCE RATE

20%

INCREASE IN HYGIENE RATE PER VISIT

THE CHALLENGE

MAINTAINING CLINICAL EXCELLENCE AT SCALE ACROSS 100+ OFFICES



As a dental support organization spanning more than 150 dentists and 100 offices, Signature Dental Partners faced a challenge common to growing DSOs: ensuring consistent, high-quality care across every location. For Chief Dental Officer Dr. Chet Jenkins, that meant finding a reliable way to see into the clinical performance of each practice — not just financially, but diagnostically.

Without clear visibility into what was happening at the clinical level, it was difficult to give doctors the feedback they needed to grow, or to confirm that quality standards were being upheld company-wide. Individual practices also struggled to communicate complex diagnostic findings to patients — limiting treatment acceptance and leaving care on the table.

THE SOLUTION

OVERJET AI: CLINICAL VISIBILITY FROM THE CHAIR TO THE BOARDROOM



Signature Dental Partners implemented Overjet's AI platform across their practices. The technology analyzes dental radiographs in real time, overlaying findings in color directly on patient images — making it possible for dentists and hygienists to show patients exactly what they're seeing. The platform also feeds clinical dashboards that give DSO leadership visibility into performance across all locations, providers, and procedures.

At Costa Vera Dental, an early adopter within the Signature network, Dr. A. Agustin Vega, DDS integrated Overjet into his diagnostic and patient education workflow. The AI became a shared language between the doctor, hygienist, and patient — replacing hard-to-read film with color-annotated imagery patients could understand at a glance.

"It gives me the ability to show patients without any question where there's a problematic issue — whether it's a margin on a crown, underneath a restoration, or a virgin tooth."

DR. A. AGUSTIN VEGA, DDS – DENTIST, COSTA VERDE DENTAL

For hygienists, the AI streamlined the handoff between clinical team members. Findings could be documented and reviewed instantly, ensuring that by the time a patient met with the doctor, everyone was already aligned.

"The handoff between myself and Dr. Vega is very smooth because of the AI. I jot down what I see, I can quickly get his eyes on it, and we're kind of all on the same page right away."

HYGIENIST, COSTA VERDE DENTAL– SIGNATURE DENTAL PARTNERS

THE RESULTS

MEASURABLE GROWTH IN PRODUCTION, EFFICIENCY, AND TRUST



The impact was rapid and significant. Costa Vera Dental doubled its production within one year of implementing Overjet, and achieved treatment acceptance rates of 88–100%. Across the broader Signature network, hygiene rate per visit increased by 20%, and overall rate per visit climbed as well — tracking directly with the Overjet rollout. Most strikingly, Dr. Vega’s practice achieved 13 times revenue growth through the program.

At the DSO level, Regional Manager Alisha Hussey used Overjet’s dashboards to identify gaps, surface opportunities, and guide coaching conversations with doctors across the network.

“When a product pays for itself, it shows that there’s definite value here. Dr. Vega’s office has done 13 times in revenue through Overjet.”

ALISHA HUSSEY –REGIONAL MANAGER, SIGNATURE DENTAL PARTNERS

“Having the Overjet program not only has helped us on the diagnostic front of what we do, but in the financial aspect it has doubled our production in the last year.”

DR. A. AGUSTIN VEGA, DDS – DENTIST, COSTA VEDE DENTAL

WHAT'S NEXT

SCALING AI-DRIVEN CLINICAL INTELLIGENCE ACROSS THE FULL NETWORK

Buoyed by the results at Costa Vera Dental and other early adopters, Signature Dental Partners is continuing to expand Overjet across its 100+ offices. For Dr. Jenkins, the long-term vision is using clinical AI to establish a new standard of data-backed transparency — one where quality of care can be confirmed, not assumed, at every location in the network.

The dashboards will play an increasingly central role in leadership meetings, helping managers and doctors identify what's working and what isn't — and take action quickly.

“The single biggest value I feel by implementing AI in our company is trust in the data we’re getting back from the clinical level. We can implement that, see changes, and make sure the quality of care we want is happening.”

DR. CHET JENKINS – CHIEF DENTAL OFFICER, SIGNATURE DENTAL PARTNERS

“I don’t need the Overjet program to do dentistry, but I wouldn’t want to do dentistry without the Overjet program.”

DR. A. AGUSTIN VEGA, DDS – DENTIST, COSTA VERDE DENTAL