

Technology and Education

Preparing Students of today for career success

Jamie Collins, RDH-EA, BS

Professional Education Manager / Sales Manager

jamie@mouthwatch.com





Students expect and are expected to have experience with practical technology when they enter the workforce.

Technology & Time

Intraoral cameras now cost approximately \$300 to \$5000



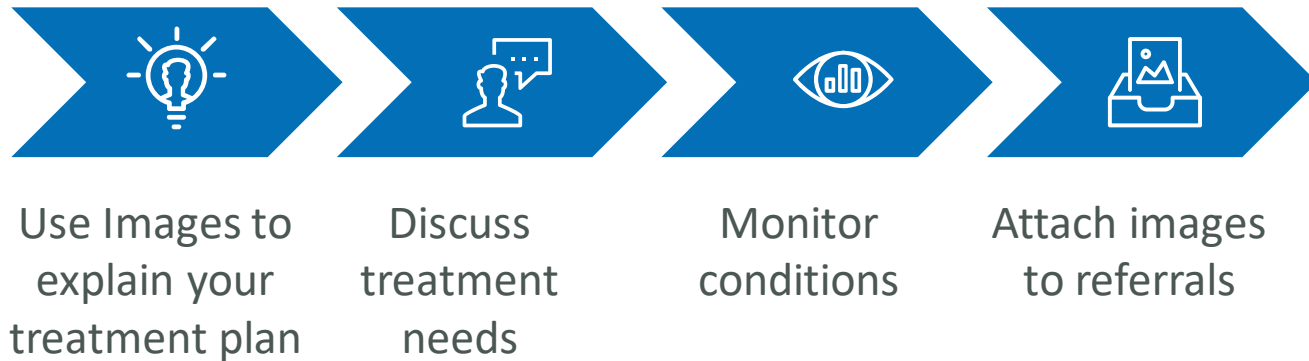
Over time the technology has become more streamlined and made cameras more affordable to obtain a high-quality device in turn allowing an option for all dental offices to integrate at cameras into a practice

Clinical Benefits of Intraoral Camera Use

- Intraoral Cameras are used to capture images of structures within the oral cavity.
- Records images for future reference
- Identify areas of Concern
- Proven tool in behavioral changes
- Provides a “tour” of the mouth
- Patients become invested in their own care
- Referral to other providers
- Caries diagnosis
- Assists laboratory if fabricating prosthesis
- A teaching and evaluation tool in education



Intraoral Cameras Serve Many Purposes



Images tell a story and creates a sense of urgency for scheduling treatment where many patients tend to put off until motivated by pain

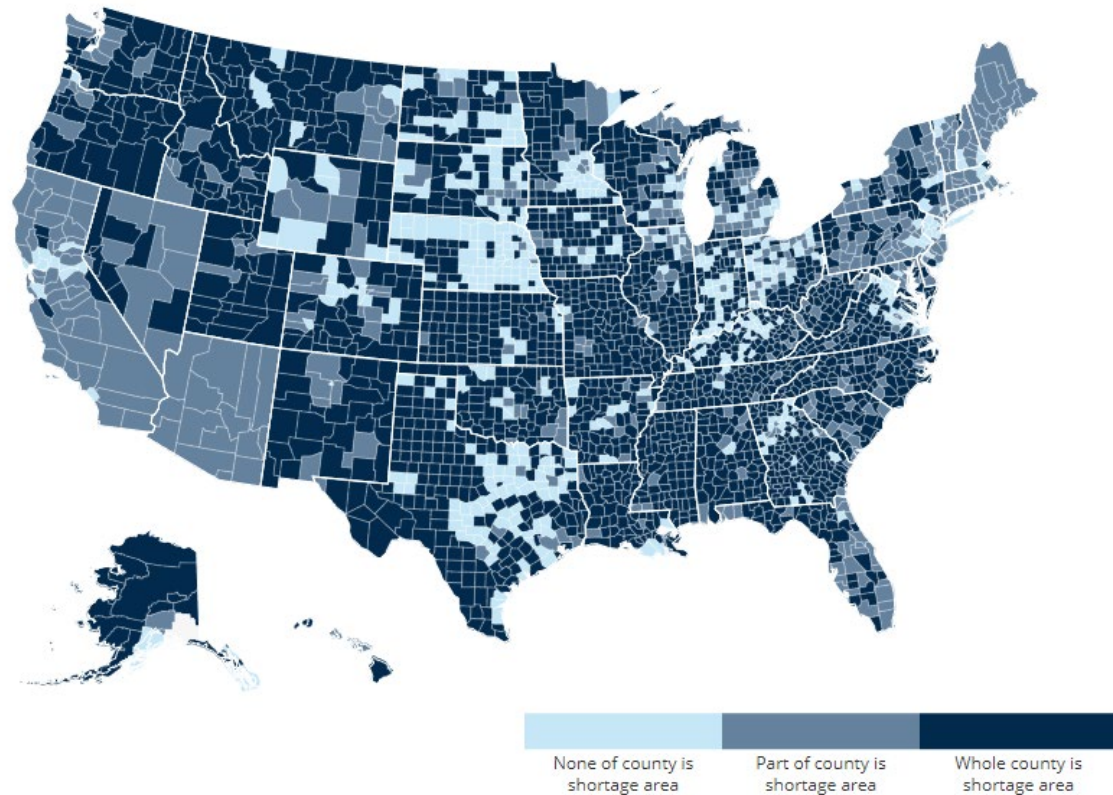
Patients become invested in their oral health & it takes the “selling” out of dentistry



Cameras
should be an
integral part of
any exam



Where will your students be practicing?

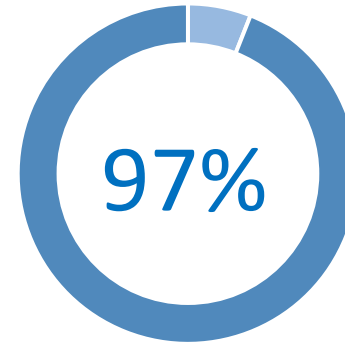


10,882 oral health practitioners are needed to address the shortage or oral health access – ADEA report

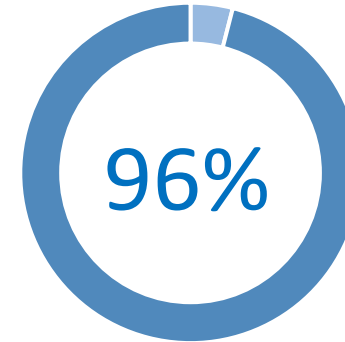
A Patient Perspective

Experience Improvements

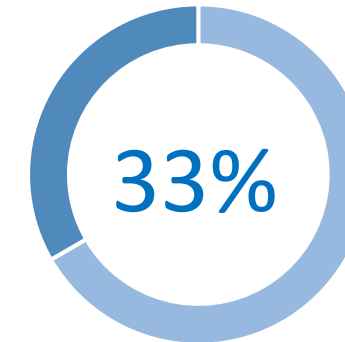
- Reduced Travel Time
- Improved Engagement
- Treatment Plan Presentation
- Earlier Access
- Clarity in Understanding
- Convenience



satisfaction rate for patients with virtual dental consultation



would use teledentistry again



of teledentistry encounters did not require an in-office visit

What is Teledentistry?



Telecommunication

Communicating through
the use of technology

Teledentistry itself is not a specific service but rather a **method** of delivering care.

Students desire for knowledge

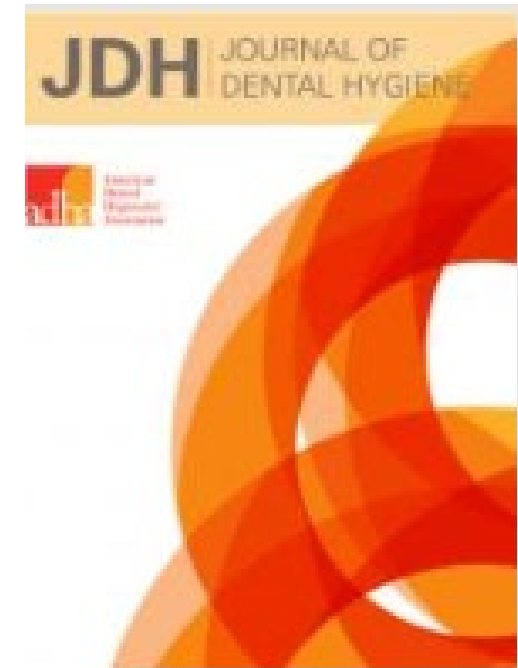
Students are requesting and showing an interest in teledentistry

Teledentistry: Dental hygiene students' knowledge, attitudes, and curriculum recommendations

Journal of Dental Hygiene Vol 95, Issue 5, October 2021

Revealed how students would like to see teledentistry integrated into

- curriculum including didactic courses (43%),
- simulated cases (47%),
- and integration into the DH community rotations (66%)



ADEA Released Report on Teledentistry in Education

TELEDENTISTRY: Innovation to Improving Access and Delivery to Oral Health Care Services in Dental Education.

“ As the field of telehealth continues to expand, dental and allied dental students should be educated and trained in teledentistry before embarking on their journeys to practicing oral health providers”

23% of dental students had clinical teledentistry experiences at graduation

How Does Teledentistry Work?



There are two ways providers can transmit patient information from one provider to another, or patient to provider:

Synchronous

Asynchronous

ADA CDT Codes for Teledentistry

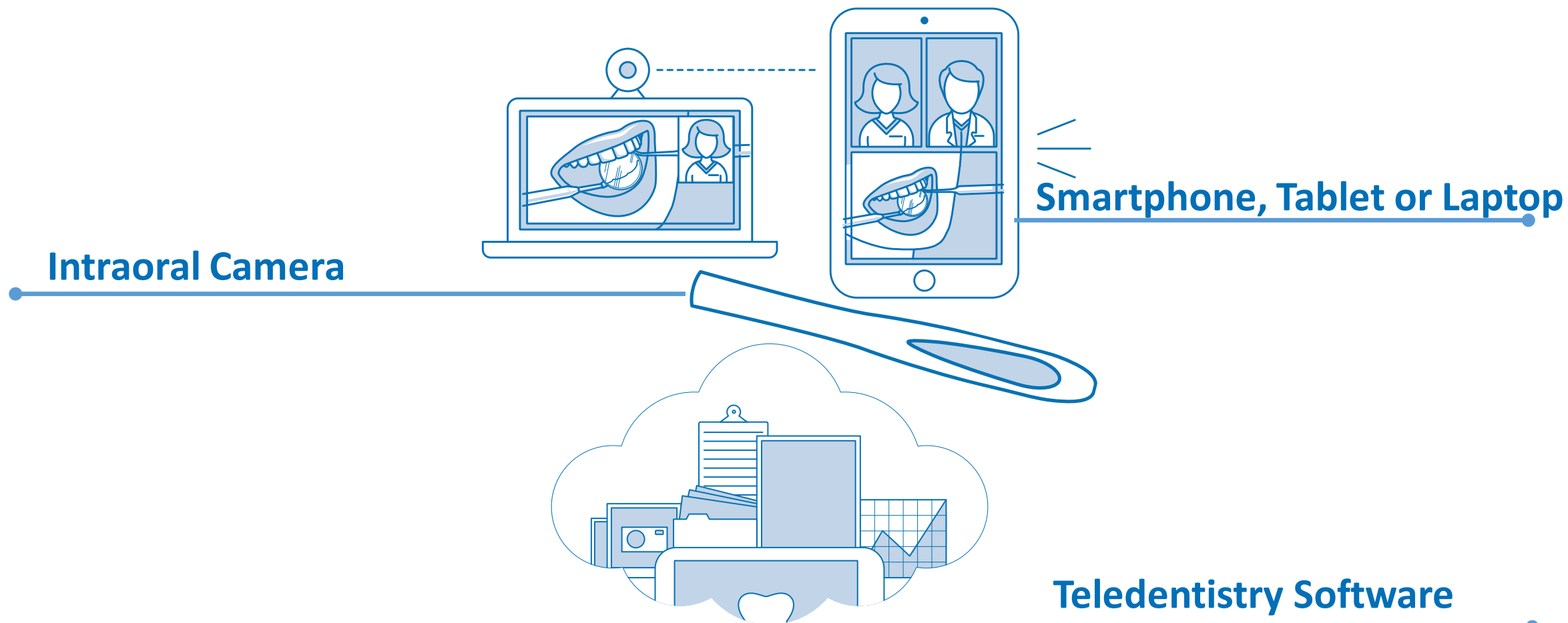
D9995 Teledentistry

- Synchronous
- Real-time encounter
- Reported in addition to other procedures (e.g., diagnostic) delivered to the patient on the date of service.

D9996 Teledentistry

- Asynchronous
- Information stored and forwarded to dentist for subsequent review
- Reported in addition to other procedures (e.g., diagnostic) delivered to the patient on the date of service

Clinical Data Collection



Additional Applications of Teledentistry



Medical and Dental collaboration



Emergency patients



Elderly patients and children



Medically complex patients with multiple providers



Coordinated scheduling and care for complex dental treatment plans



Supervision, Authorization and complete skills requirements



Increased[®] Access to Care



Outside the traditional dental office

Physical co-location | Multi-location | Virtual co-location

- Hygiene connected in medical settings
- Medical providers collecting dental care data
- Connecting Dental to Medical Expertise for various assessments/consultations



Example of Integrated Care



Challenge:

Pediatric division of the dental school is interested in outreach and connecting the community to dental through nurse practitioner referrals.

Solution:

TeleDent was implemented to allow communication, collaboration, and data sharing between PNP's in community settings and pediatric dental students/residents.

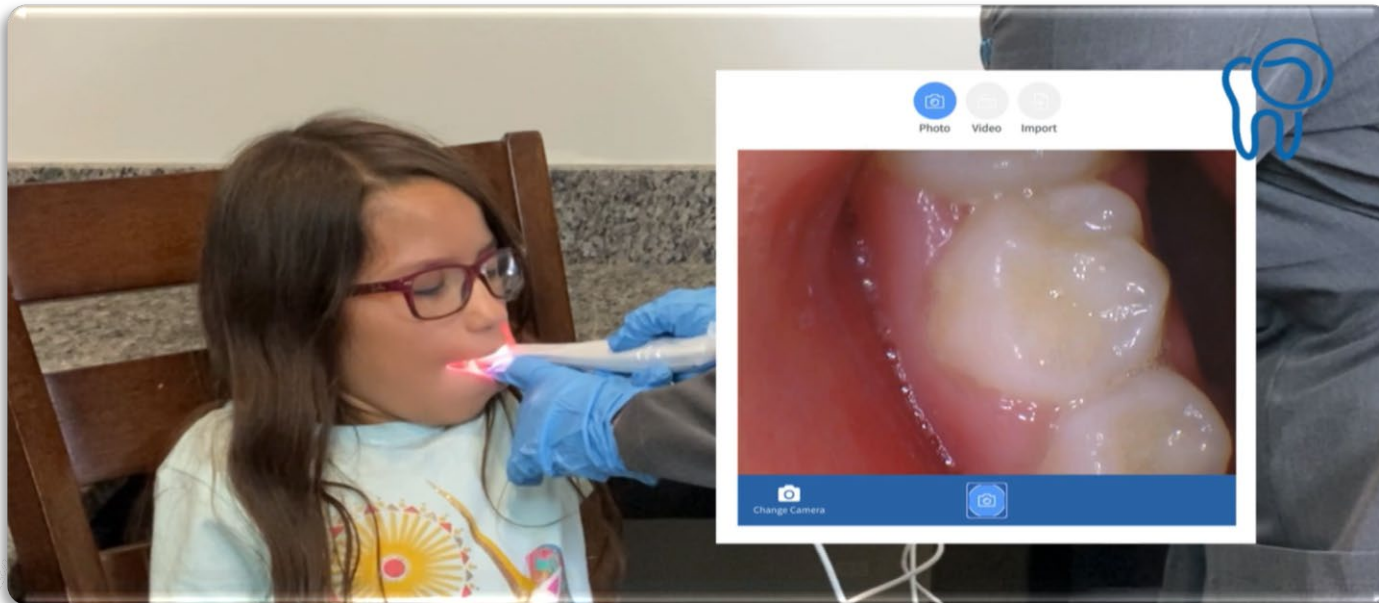
Dental Providers – Schools

Starts with...

- Onsite or virtual care
- Students are conducting screening, treatment plan and necessary referrals
- Faculty supervision on/off site

Leads to...

- Expanded reach and efficiency for dental programs, access for children



Students are 3x
more likely to miss
school when
having dental
issues

Connecting Healthcare Providers To Dental Providers



Challenge:

Children in schools often do not have access to dental care

Solution:

Hygienists are conducting care in schools, providing screening. Supervision by a remote dentist for evaluation and referrals made as needed.

Pediatrician and ECC



Challenge:

Pediatricians are seeing patients that show dental caries at well child visits.

Solution:

Teledentistry is implemented to allow communication, collaboration, and data sharing between PNP's in community settings and dental schools for evaluation and treatment.

Connecting Healthcare Providers To Dental Providers



- **Portable Clinics** – brings preventative care to at risk populations
- **Basic Medical Screening** – headstarts, schools, nursing facilities, community, public health, tribal programs, medical facilities
- **Vital Signs and Medical Referral** – vital signs, health history, social evaluation, referral and communication with health providers
- **Medical to Dental** – nurses are trained on IOC for exam, documentation and referral

See it in use



- D0703 – 3-D photographic image
- D0140 – Evaluation code
- D9996- Asynchronous
- Additionally, the medical site bills medical for their services

The school nurse or CNA at a LTCF identifies a patient need. They capture images and document the symptoms and send the data to DDS/DMD for review.

How would you bill this?

Patient Calls with Emergency Need
OR
Post-Operative Evaluation

Synchronous – Video Call

- Patient and Provider
- Provider can capture images via call
- Diagnose and Prescribe
- Schedule for treatment

Asynchronous –Store/Forward

- Patient sends images via phone camera roll
- Provider/student evaluates when convenient
- Messages patient results

Schedule
Additional
Visits As
Needed

Code for Limited Eval
(D0140) and Teledentistry
(D9995 or D9996)

Schedule
Additional
Visits As
Needed

How to Bill for a Teledentistry Visit

Teledentistry is being used in a variety of methods. The D9995 or D9996 codes are billed **IN CONJUNCTION** with the service provided.

D0140: Limited Oral Evaluation

D0170: Re-evaluation – problem focused

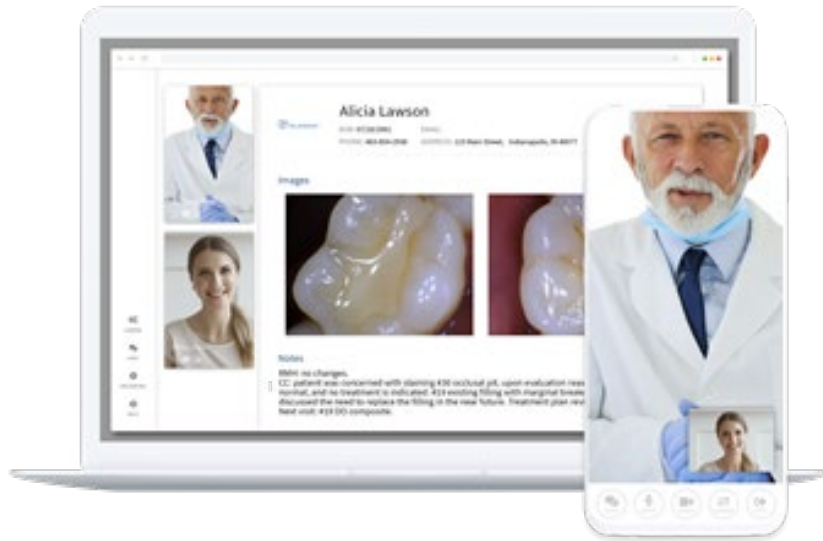
D0171: Re-evaluation-post operative office visit

D0120: Periodic Evaluation

D9992: Dental Case Management- care coordination



See it in use



- D0191 – Assessment of a patient
- D0350 – 2-D Imaging
- D01XX – Evaluation code
- D9995- Synchronous

An student sees residents in a LTCF using an intraoral camera and laptop. Images and data are captured and synchronous meeting via teledentistry with the dentist for evaluation and authorization for treatment.

How would you bill this?

Thank You!

Jamie Collins, RDH-EA, BS

Professional Education Manager / Sales Manager

jamie@mouthwatch.com

