Technology and Education
Preparing Students of today for career success

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

- Use Images to explain your treatment plan
- Discuss treatment needs
- Monitor conditions
- Attach images to referrals

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

97% satisfaction rate for patients with virtual dental consultation

96% would use teledentistry again

33% of teledentistry encounters did not require an in-office visit
What is Teledentistry?

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

Telecommunication

Communicating through the use of technology
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%)
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

Intraoral Camera

Smartphone, Tablet or Laptop

Teledentistry Software
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
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.
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

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?

- D0703 – 3-D photographic image
- D0140 – Evaluation code
- D9996- Asynchronous

Additionally, the medical site bills medical for their services
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
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
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?

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

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