2013 Virginia Oral Health Summit

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Teledentistry-Assisted Affiliated Practice Dental Teams

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The AZ Affiliated Practice Dental Hygiene Model

Allows APDHs to see patients without general supervision!
AZ’s Affiliated Practice Dental Hygiene Model

- 2004 §32-1289 signed into law
  - Allows an affiliated agreement, with standing orders, between a dental hygienist and a dentist
  - APDHs may see patients of any age who are:
    - enrolled in a federal, state, or local health program – or
    - enrolled in the National School Meal Program – or
    - from a family with a household income of less than 200% of the federal poverty guidelines
APDH Services
Affiliated Practice
Dental Hygiene Services

• Assessment
  • Blood pressure & medical history
  • Screen and photograph oral cavity and surrounding structures
  • Chart dental restorations and clinical findings
  • Expose and process x-rays
  • Conduct a caries risk analysis
Affiliated Practice
Dental Hygiene Services

• Preventive

• All procedures for a complete prophylaxis

• Apply sealants according to ADA and CDC guidelines

• Administer topical fluoride gels and varnish as indicated according to ADA and CDC guidelines
Affiliated Practice
Dental Hygiene Services

• Patient Education

• Discuss patient’s home care procedures

• Provide appropriate home care instruction

• Provide tobacco cessation intervention and a referral when appropriate
Teledentistry

A Digitally-Linked Oral Healthcare Team

Dental Hygienist

Allied Health Professionals

Dental Specialists

General Dentist

Pedodontist
Teledentistry

• Presents as:
  • An emerging Web-based intervention system
  • A distance-learning framework
  • A vehicle to decrease the phenomenon of professional isolation common to rural and underserved areas
Teledentistry

• Utilizing current technologies, it is possible to acquire and digitally transmit all necessary subjective and objective diagnostic data to a distant dentist for:
  • Triage
  • Dental treatment planning
  • Referral
NAU’s Teledentistry Equipment

Are there digital technologies that allow us to see better than the eye can see in face-to-face examinations?
Nomad Pro X-ray Unit
Nomad Pro X-ray Unit

• Certified by all 50 states
• Allows the operator to be in the room when the x-ray is exposed
• Easy to use
• Long battery life
• Protective carrying case
• Ideal for remote locations
Nomad Pro X-ray Unit

Lead and Glass Shield

Primary Protective Shielding
Nomad Pro X-ray Unit

Area of Protection
Scan-X Duo Processor
Scan-X Duo Processor

30,000 images per x-ray film!
Acclaim Intraoral Camera
Acclaim Intraoral Camera
Acclaim Intraoral Camera

• Has proven to be very valuable in the public health environment
  • Barrier sheaths prevent the need for sterilizing mirrors
  • Projected images allow for excellent viewing of the intraoral environment
  • Photographs are easy to take
VELscope
VELscope
VELscope
Spectra
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Rather than take the patient to the typical dental home . . .
... take many services to the patient!
Linking the Team Members

- Store and forward the diagnostic data
  - On the laptop computer
  - On a DVD, CD, or by e-mail
  - On a thumb drive or other hard drive
- Direct real-time link to the team members
  - Satellite link
  - Hard wired into an Internet connection
Link via Cloud Computing!
Student Training

- Approximately six hours
- Nomad training and certification
- Scan-X Duo and phosphor plate training
- DXXTR x-ray exposure experience
- Acclaim intraoral photos on peers
- Spectra training on peers
- VelScope training
Kaibab Band of the Paiutes

450 Mile Round Trip
Kaibab Band of the Paiutes

- Screened and referred 23 kids for care
  - Five had immediate needs - acquired their digital diagnostic data
  - Forwarded diagnostic data to my affiliated dentist who confirmed the need for immediate care
  - Forwarded the data to the pedodontist at Polacca
  - The kids’ parents were told to call to be put right on the pedodontist’s schedule - no further exam required
  - An opportunity to save each patients' family a 450-mile round trip for an exam and treatment planning!
Havasupai
Teledentistry Curriculum

- Courses complete with methods and materials
  - Interested Parties
    - Community leaders
    - Funding agencies
  - Continuing Education
    - Dental professionals
  - Comprehensive Training
    - To form enhanced dental teams
Teledentistry Curriculum

• The APDH
• Teledentistry
• HIPAA & Teledentistry
• Nomad Training
• Teledentistry Equipment Set Up
• Hands-on Training
• Future Trends in Teledentistry
Thank You!
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