

# 2013 Virginia Oral Health Summit



November 8, 2013

# 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

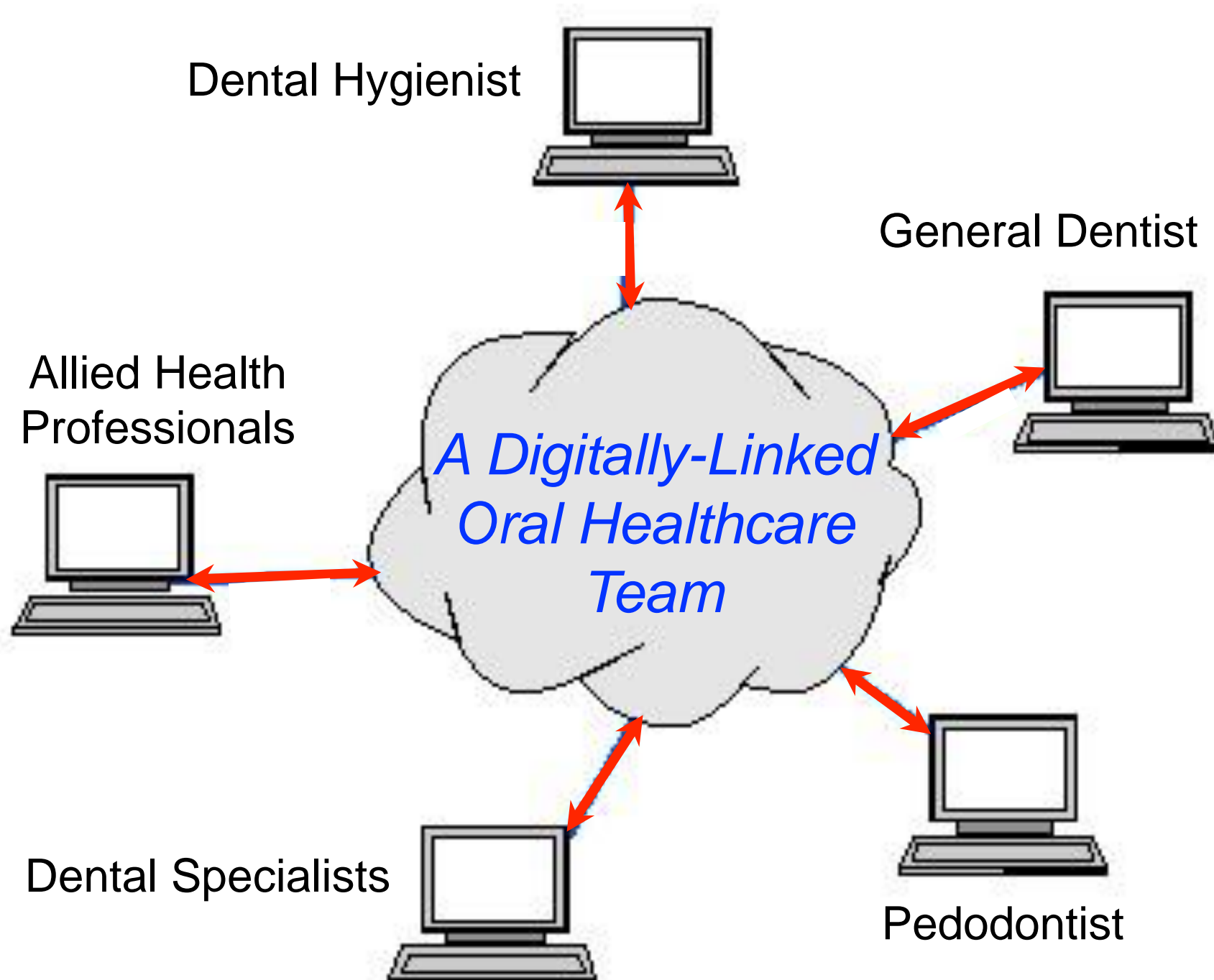
- Preventive
  - All procedures for a complete prophylaxis
  - Apply sealants according to ADA and CDC guidelines
  - Administer topical fluoride gels and varnish as indicated according to ADA and CDC guidelines

# 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



# 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?*

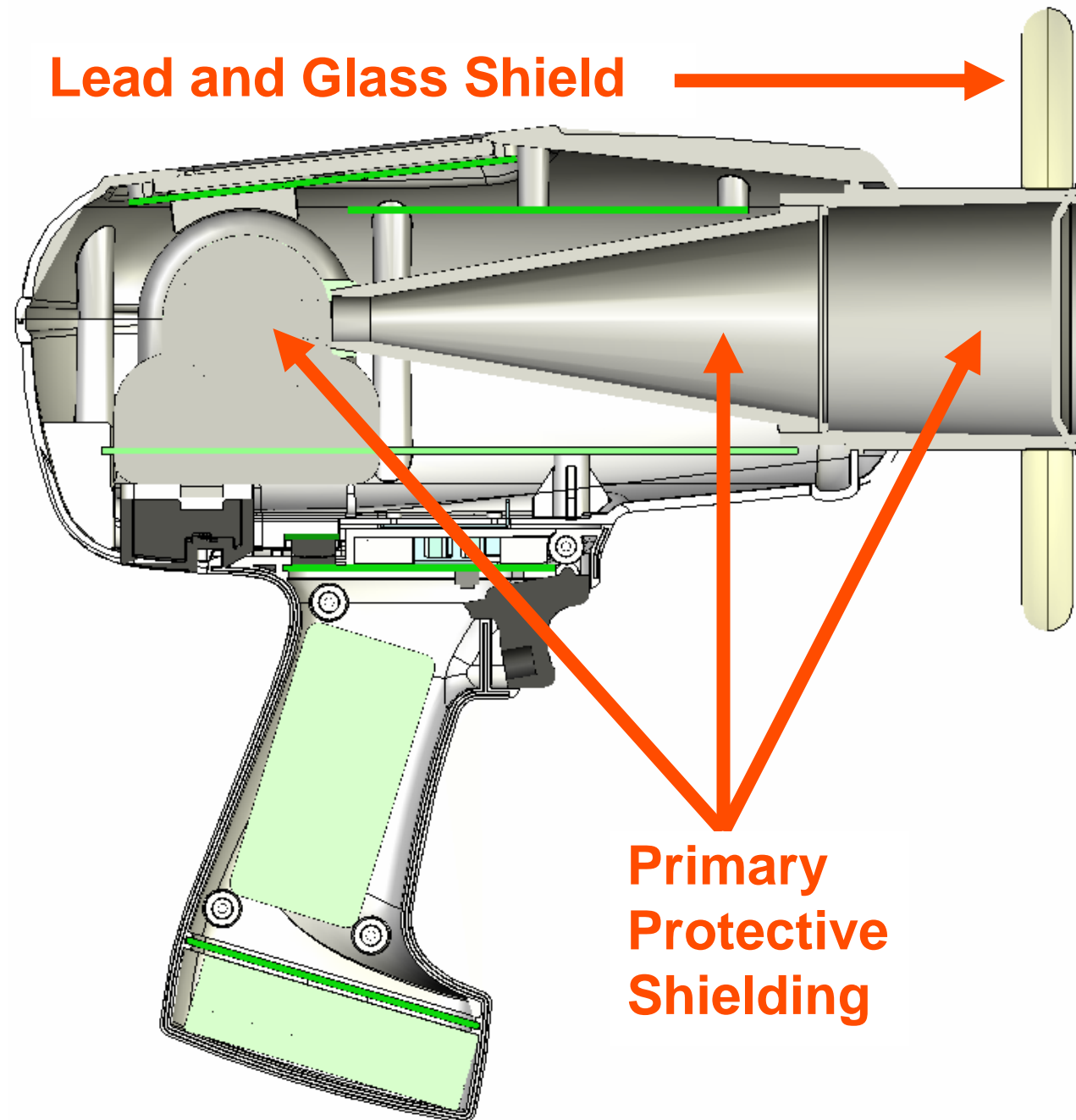
# Nomad Pro X-ray Unit



# 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



# Nomad Pro X-ray Unit





# 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











EMERGENCY  
EXIT ONLY  
DOOR  
DOOR

EMERGENCY  
EXIT ONLY





# VELscope



# VELscope



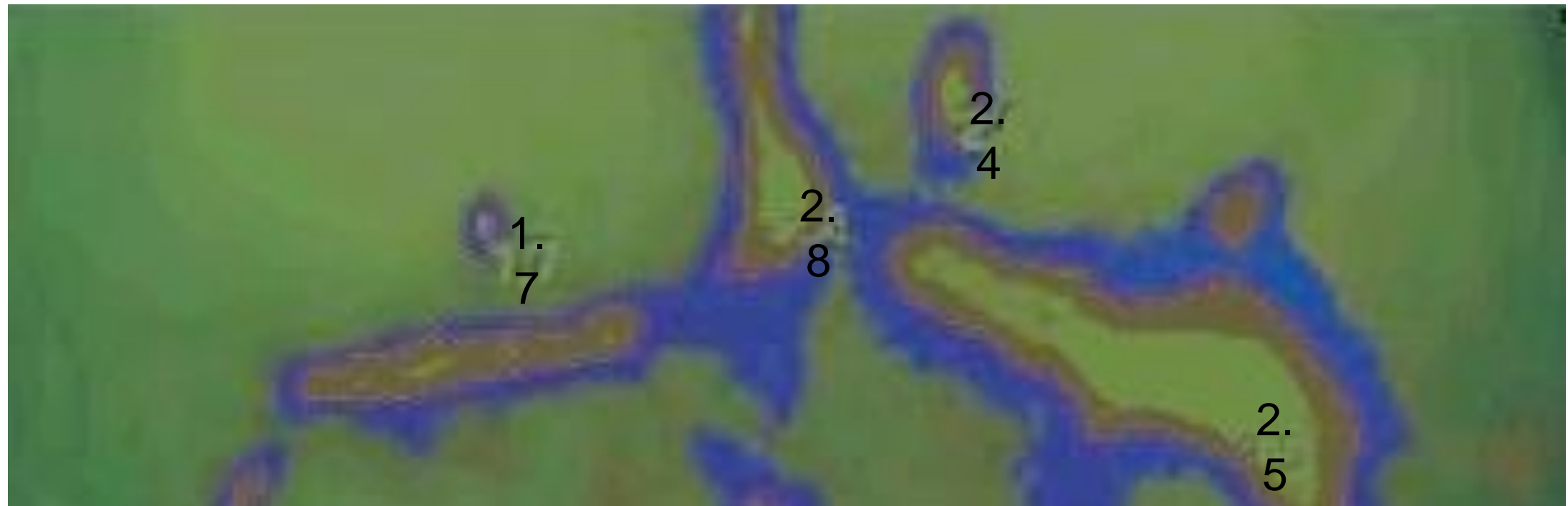
# VELscope



# Spectra



# Spectra



Green	Blue	Red	Orange	Yellow
Sound Enamel	Incipient Enamel Caries	Advanced Enamel Caries	Incipient Root Caries	Advanced Root Caries



Rather than take the patient  
to the typical dental home . .



. . . take many services  
to the patient!

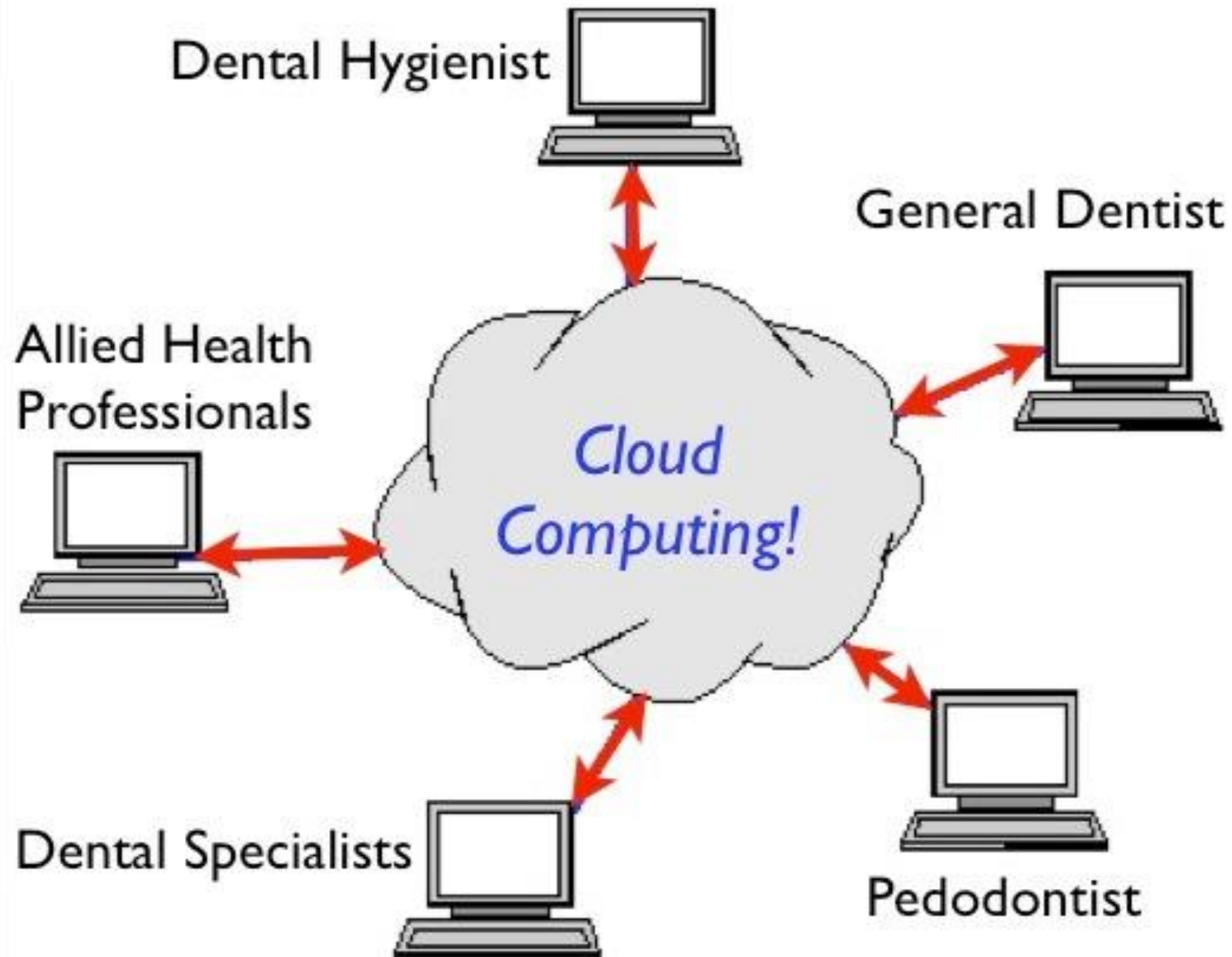


# Linking the Team Members

- 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

Video training

# Kaibab Band of the Dinété



450 Mile Round  
Trip





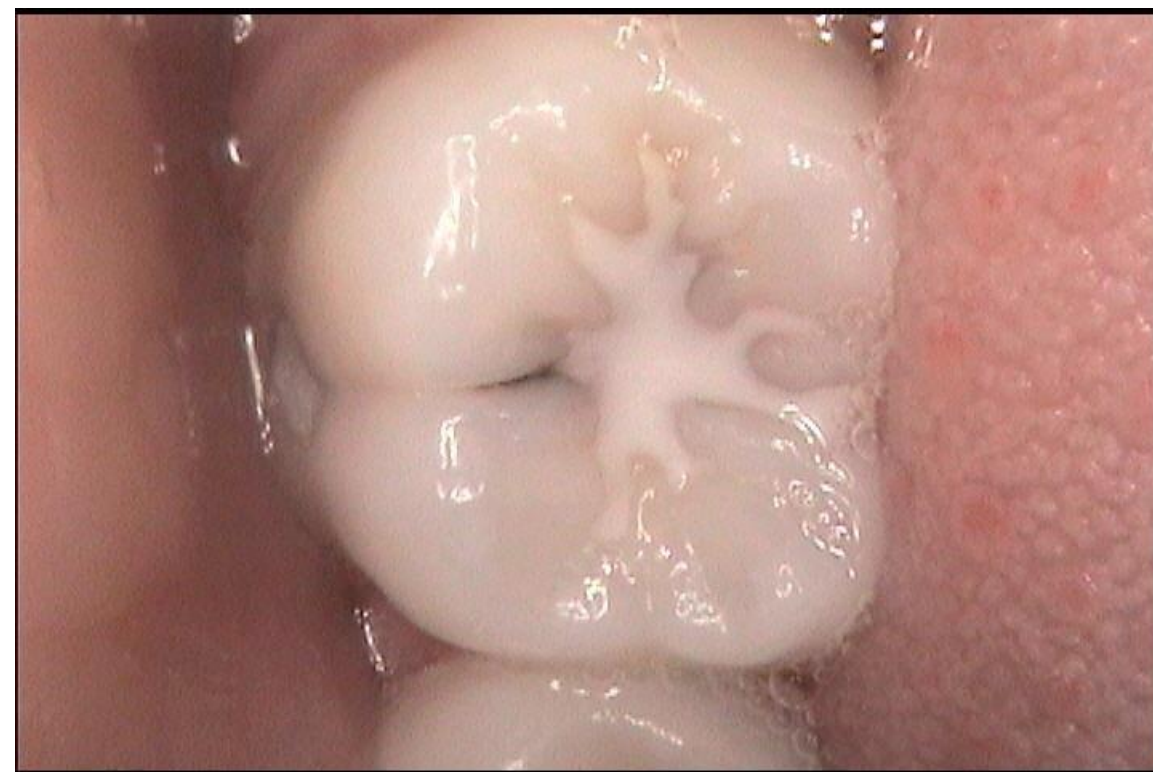




# Kaibab Band of the Paiutes

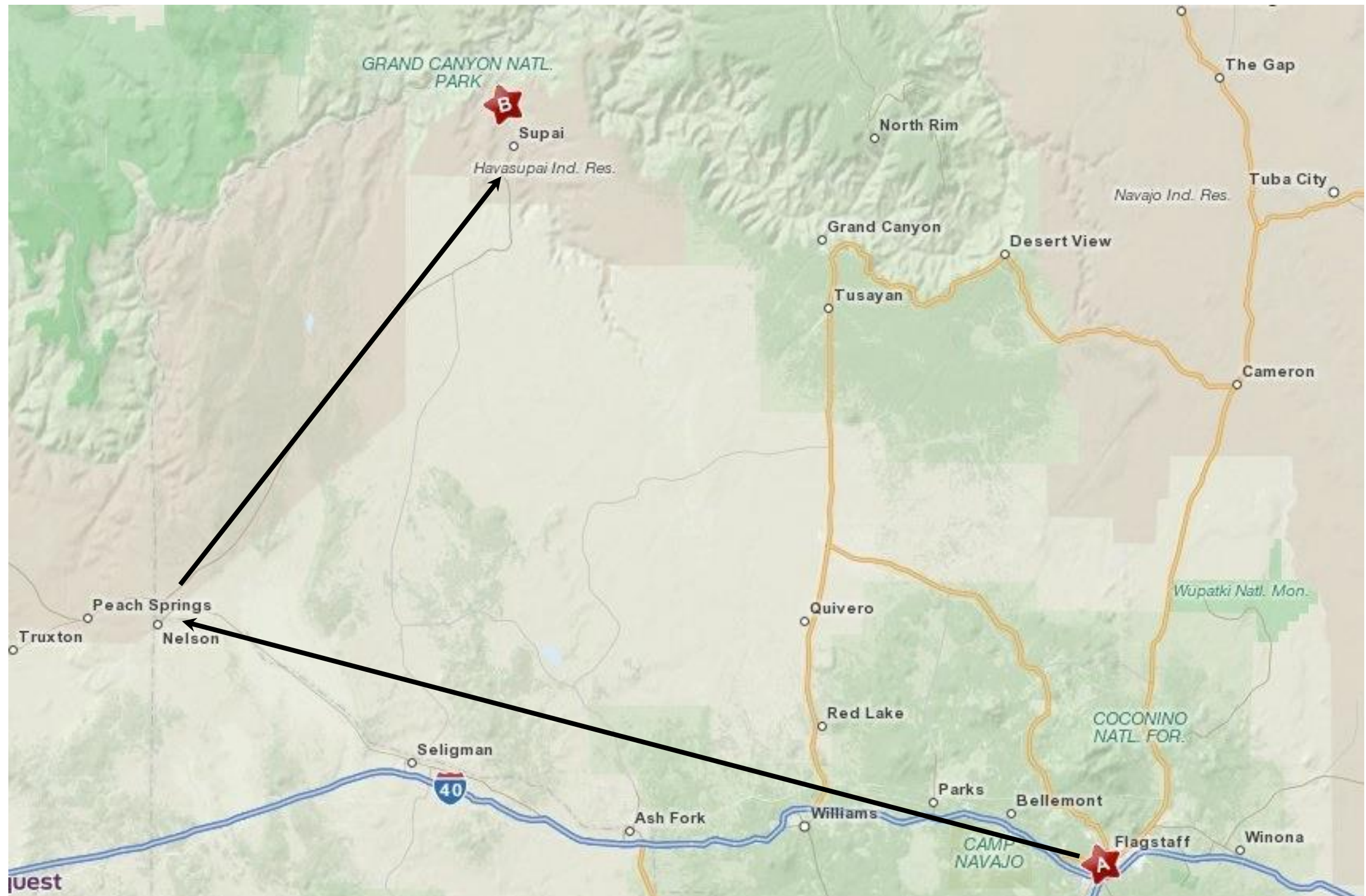
- Screened and referred 23 kids for care
  - Five had immediate needs - acquired their digital diagnostic data
  - Forwarded diagnostic data to my affiliated dentist who confirmed the need for immediate care
  - Forwarded the data to the pedodontist at Polacca
  - The kids' parents were told to call to be put right on the 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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