

Utilizing Teledentistry, Portable Equipment and a Home Hygiene Program to Improve Oral Health in Long Term Care Facilities

Your Special Smiles PLLC

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2025



Financial Disclosures

IDAHO ORAL HEALTH PROGRAM SPONSORED THIS PRESENTATION THROUGH THE GRANT

- Frequent Sponsors:
 - Elevate Oral Care, GC America, Mouthwatch, and Armor Dental
- Free/Discounted Products:
 - Many companies that may be mentioned
- Delta Dental of Idaho sponsored a clinic that I created with Family Health Services



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Legal Disclosures

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- Nothing in this presentation should be interpreted as legal advice
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We all live 2 dental lives



Poppleton Family Dentistry
Comprehensive Dental Care for the Whole Family



ADVANCED
DENTAL CARE
of Twin Falls



GREEN ACRES
FAMILY DENTISTRY



AspenDental



family
health
SERVICES



Our Panel

Tari

Tari Devaney RDH, BSDH, MSDH



YSS Portable Hygienist
Works with Green Acres
Taught at CSI and EWU
Past IDHA President

Kami

Kami Richardson RDH, BSDH



YSS Portable Hygienist
Former YSS AOH Provider
Works with Advanced Dental
Care Twin Falls
Southern Idaho Dental
Hygiene Component President
IDHA Board Member

Bailey

Bailey Price RDH



YSS Portable Hygienist
Former YSS AOH Provider
Works with Dr. Kyle
Poppleton

Alexis

Alexis Stone RDH



Former YSS AOH Provider
Will be YSS Portable Hygienist
Works with Aspen Dental



It started when I saw patients who looked like this...



We needed a new solution.



My First Solution



I will go out and
teach the caregivers



Teaching THE Caregiver



2 hours...
2 people...



PAGERS!



**Did you really eat
crackers while
we were gone?**





**At least we trained one that
can be a leader. I'll check in
with her!**



Following Up

Oh her, she doesn't work here anymore. Do you want to come work with someone new?



Three Major Barriers Identified

↓ Oral Health Literacy



Lack of Time



High Turnover



In-service with Caregivers and Residents

- Lecture + Hands On
- Now annually with hygiene students
- Kami's Flip Book
- Valuable, but not the whole solution

Kami's Flip Book



<https://www.yourspecialsmiles.com/wp-content/uploads/2024/09/CNA-flip-chart.pdf>

Snip from Ivy's In-service talking about carbohydrate intake



<https://youtu.be/SZdJuSvsy7g>

Bailey's 50 minute in-service



<https://youtu.be/AseQvI0NdLs>

11 Tips in under 10 minutes



Kami
CSI RDH Class of 2024



Bailey
CSI RDH Class of 2024

<https://youtu.be/RRzw3ExXUPc>



Educating the **WHOLE STAFF** (or at least most of them)

- Fear hurting them (bleeding)
- Fear of being hurt (biting and hitting)
- Right to refusal
- Exhausted
- Forget
- Seeking independence
- Aerosol generation
- No time



Three Major Barriers Identified

↓ Oral Health Literacy



Lack of Time



High Turnover



We needed a realistic goal

- What if we had someone on OUR TEAM go out once per week and help each resident clean their teeth well?
- THEIR CAREGIVERS help maintain between sessions with “basic” daily brushing and cleaning between the teeth.



Defining Assisted Oral Hygiene

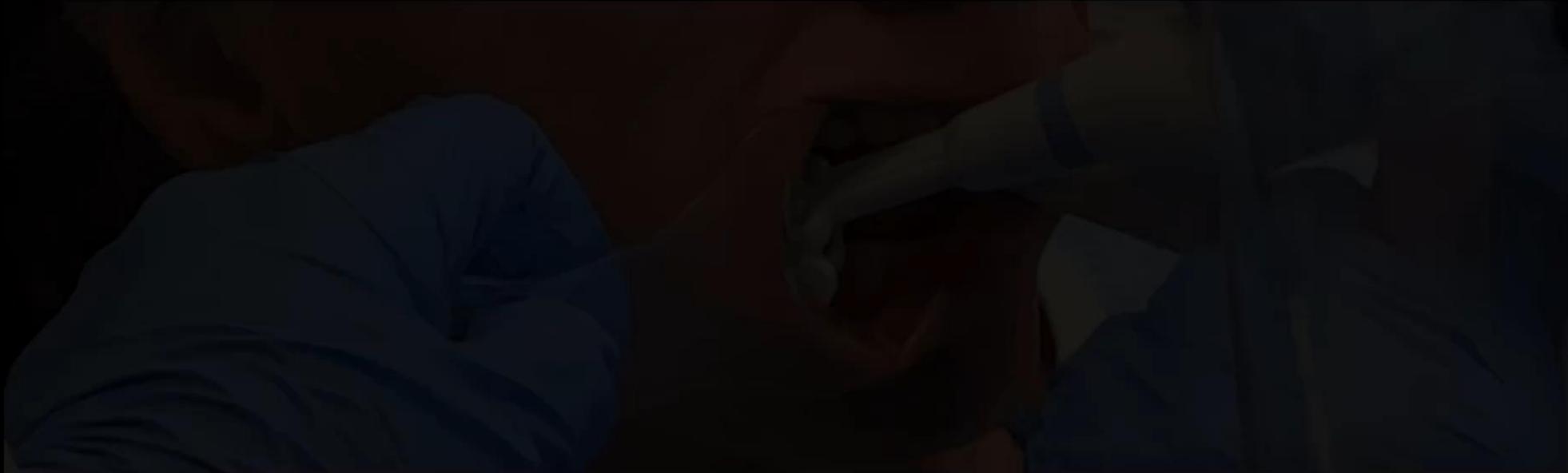
Physical assistance with oral hygiene procedures for individuals who are unable to adequately perform their recommended self-care oral hygiene regimen. Assisted oral hygiene is a specific service and may be delivered separately or as part of a remote oral health support program.



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Demo Video



Video Created by Your Special Smiles PLLC



Wages Only Cost Analysis for Assisted Oral Hygiene

\$15 per hour

- \$5 per session
- One session/week wages alone cost (\$5x 4.345)
- X 1.3 (average cost employee)

\$28.24 /month per resident

\$20 per hour

- \$6.67 per session
- One session/week wages alone cost (\$6.67x 4.345)
- X 1.3 (average cost employee)

\$37.66 /month per resident

\$30 per hour

- \$10 per session
- One session/week wages alone cost (\$10 x 4.345)
- X 1.3 (average cost employee)

\$56.49 /month per resident

\$40 per hour

- \$13.33 per session
- One session/week wages alone cost (\$13.33x 4.345)
- X 1.3 (average cost employee)

\$75.31 /month per resident

*One assisted oral hygiene session on average takes 20 minutes.

Average Cost of an employee is 1.25-1.4x their wage - for this we will use 1.3

These costs are not entire program costs Additional costs that may also be needed include but are not limited to: supplies, taxes, accounting, payroll programs, insurances, HIPAA compliant communication and charting/documentation systems.. We are a small program so our insurance and records costs are proportionally high because we do not have a large number through which to divide the cost. For us, it costs approximately \$40,000 per year for approximately 30 residents . We also provide cleanings/screenings twice annually which is partially included in this cost. Total cost is about \$1,333 per year per resident or about \$111 per month

CHOOSE YOUR DESTINY...

Types of Teledentistry

Portable vs Mobile Dentistry

Teledentistry

Uses

Limitations

Stuff Needed : Pictures/Videos/X-rays

Capture Tips and Examples

Portable Dentistry

Stuff You Need for Portable

Setting Up, Packing Up, & Hauling

Logistical Challenges

Agreements with Facilities

Places to go



Thank You For Attending

Your attendance today has helped fund our
Assisted Oral Hygiene/Guided Oral Hygiene Program



Contact/Website/Social

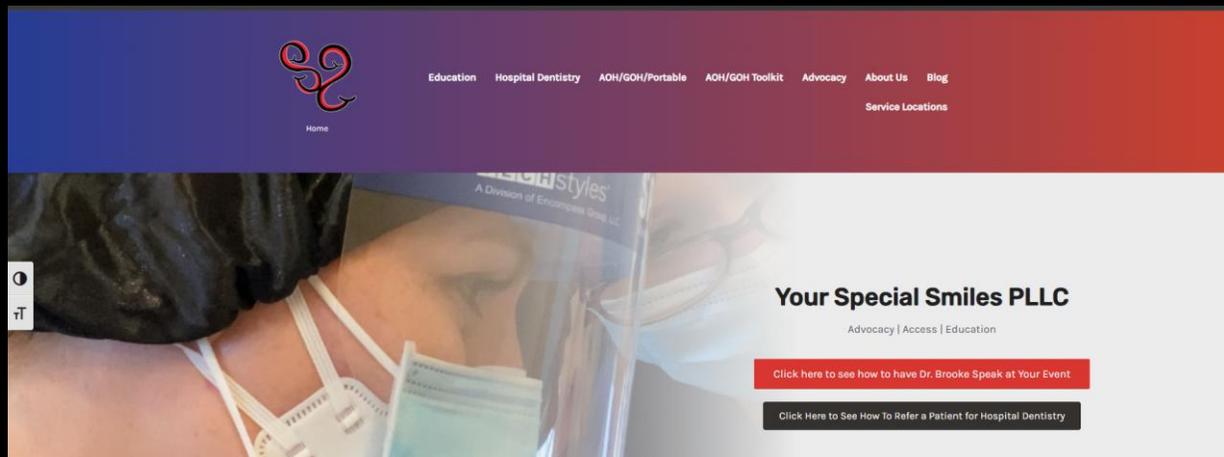
Brooke MO Fukuoka DMD, DABSCD

Emails: Dr. Brooke: yourspecialsmiles@gmail.com

Instagram: [dr.brooke_yourspecialsmiles](https://www.instagram.com/dr.brooke_yourspecialsmiles)

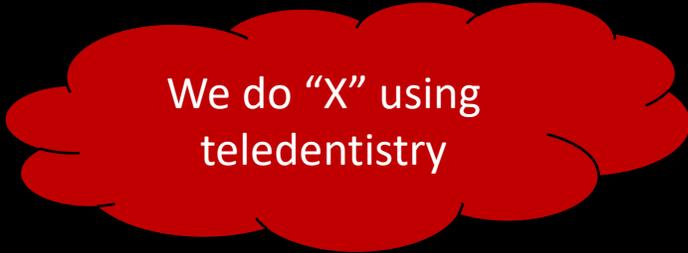
Facebook: <https://www.facebook.com/brooke.fukuokaosgood/>

Website: <https://www.yourspecialsmiles.com/>



Teledentistry:

ADA Definition: Teledentistry refers to the use of telehealth systems and methodologies in dentistry. Telehealth refers to a broad variety of technologies and tactics to deliver virtual medical, health, and education services. Telehealth is not a specific service, but a collection of means to enhance care and education delivery.

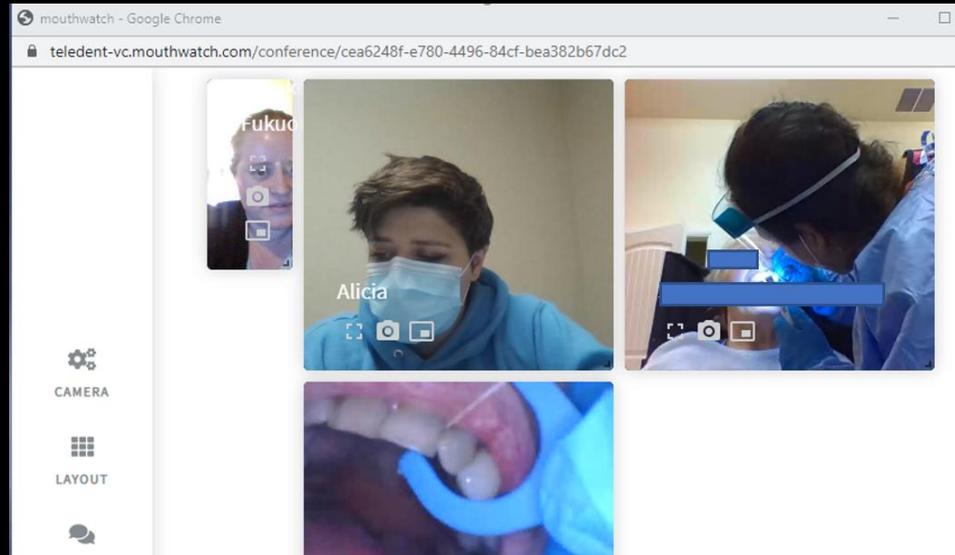


We do "X" using
teledentistry



Synchronous Teledentistry: D9995

ADA Definition: Live, two-way interaction between a person (patient, caregiver, or provider) and a provider using audiovisual telecommunications technology.



Watching what is happening right now



Asynchronous Teledentistry: D9996

ADA Definition: Transmission of recorded health information (for example, radiographs, photographs, video, digital impressions and photomicrographs of patients) through a secure electronic communications system to a practitioner, who uses the information to evaluate a patient's condition or render a service outside of a real-time or live interaction



Looking at the pics that were sent this morning.



Synchronous vs Asynchronous Pros and Cons Discussion



Remote Patient Monitoring:

ADA Definition: Personal health and medical data collection from an individual in one location via electronic communication technologies, which is transmitted to a provider (sometimes via a data processing service) in a different location for use in care and related support of care



Remote Patient Monitoring: Truthbrush

Rewards

Dr Brooke

Electric

138 Days to Change

Goal Progress Edit Goal >

12 Day Brush Streak

How many days in a row have you hit your goal.

Jul 24 - Jul 30

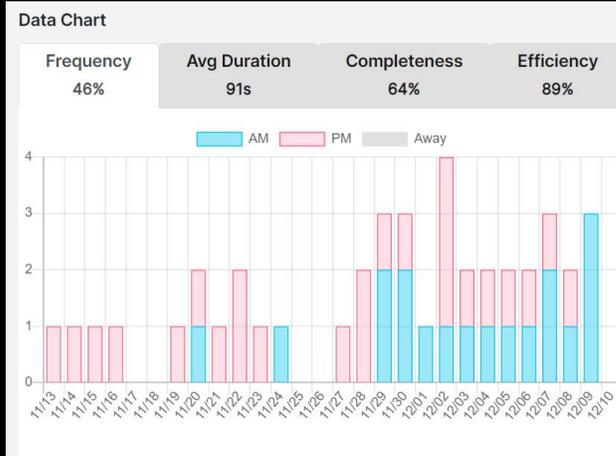
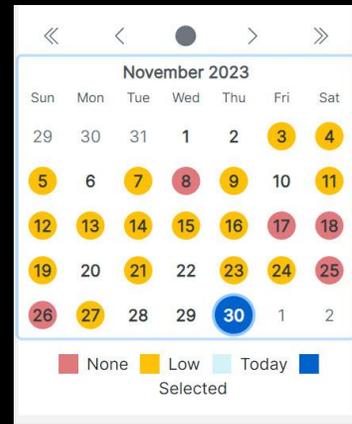
fancy beer sampler

BRUSHES 11 out of 14

AVG. TIME 157 s out of 120 sec

S M T W T F S

Feed Users Rewards Analytics Settings



Truthbrush Device Monthly

In the last 4 weeks, Desano 8 ...

Areas	Frequency	Duration	Completeness	Efficiency
Frequency	Low	7% - brush twice a day	Good	92% of all regions
Duration	Fair	88s average	Good	91% of total movement time

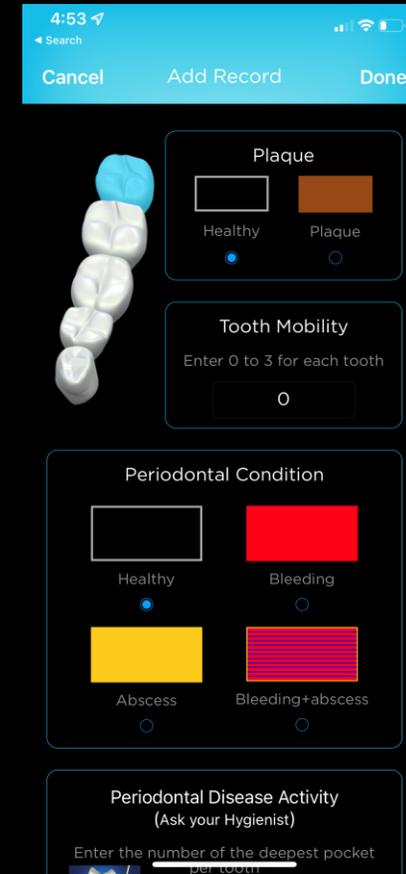
Brush more at highlighted areas.

Congrats!

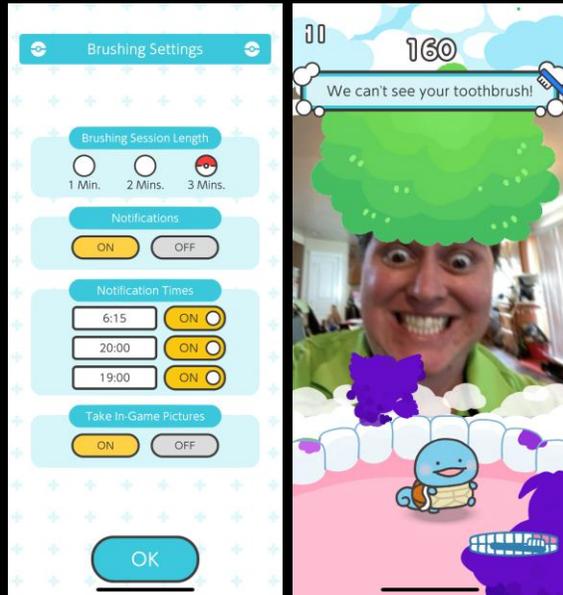
You earned a silver trophy for brushing your teeth 13 days in the last 30 days! Good job! Let's push for gold next month!



Remote Patient Monitoring: Blu



What Makes Something Remote Patient Monitoring?



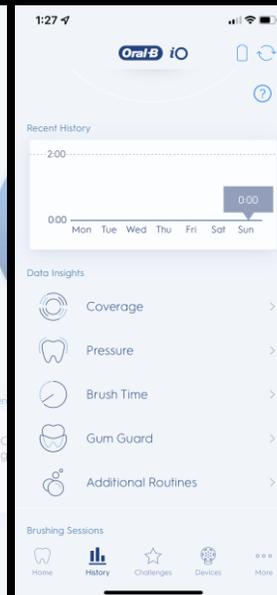
Pokémon Smile



Colgate Magik



Oral B



Sonicare Kids

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Virtual Office Tours: (Not teledentistry, but cool use of the stuff)

Synchronous



Asynchronous



To watch the rest of the video: <https://youtu.be/vhGyT-A50w8?si=gCUJ8nopxwaIRno1>



Increase OHI Comprehension While Gathering Data

They Clean



We Video/Teach



Touch Up



Final Video



Now this exam will be EASY!!!



Patient pictured not same patient as shown in video.



Screening Emergencies



A big chunk of her tooth came out and I think it is bothering her quite a bit!

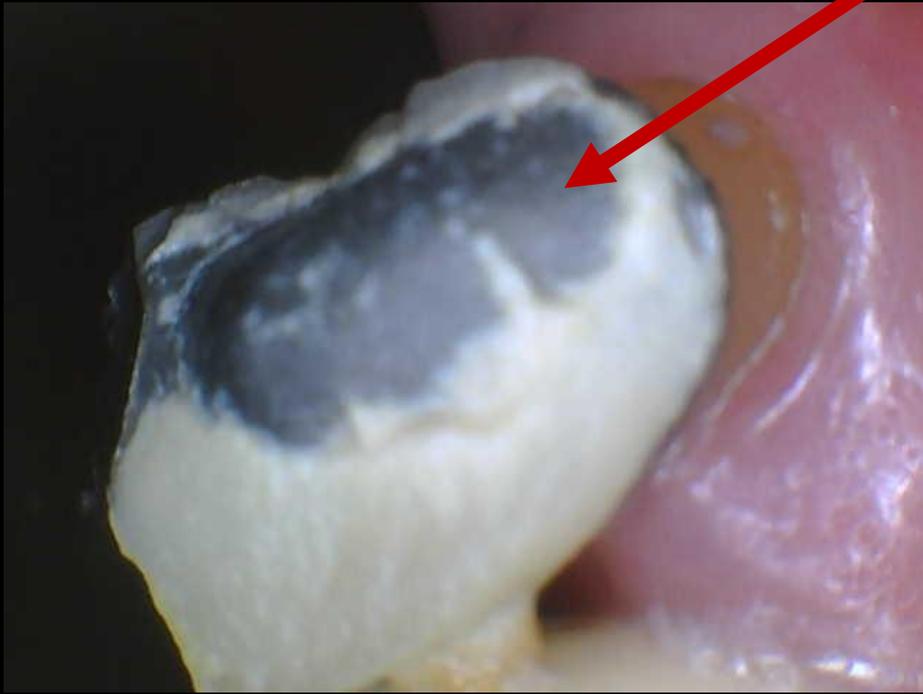


Please Send a Picture on Teledent

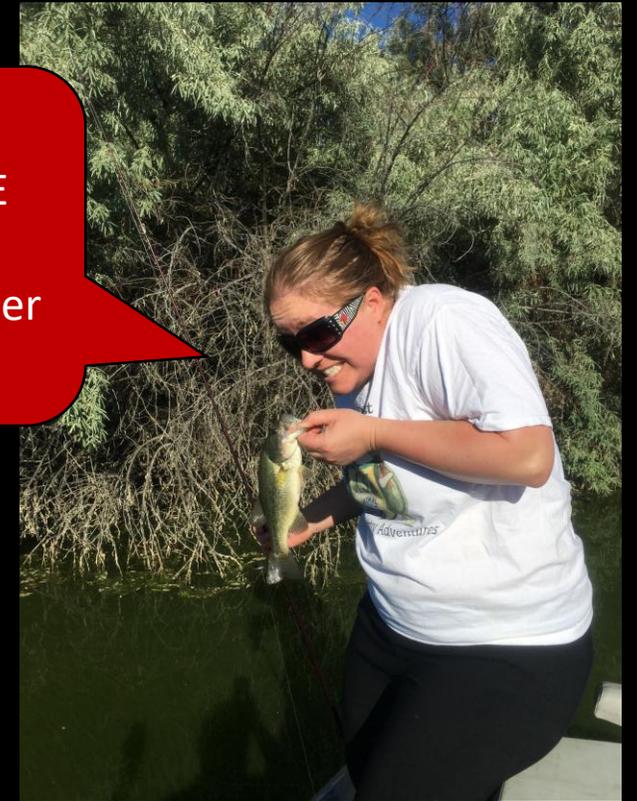


Screening Emergencies

The Emergency



I got to stay to catch this HUGE fish without worrying about her pain.



Running Behind?



I am here to fix your computer



Your next patient is numb and ready to get started



We need an exam

Why won't this %&S* tooth come out?



We needed an exam 10 minutes ago



Dr. X is returning your consult call



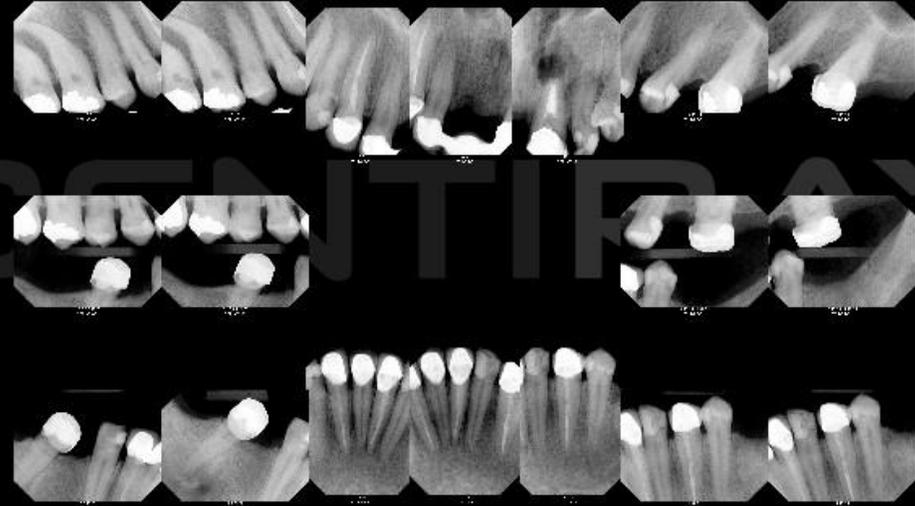
Portable Hygiene and Telehealth Recare

- Can be based out of traditional practice
- Can be based out of a portable/mobile practice
- New or Long-Standing Patients
- More likely to come if known need for treatment



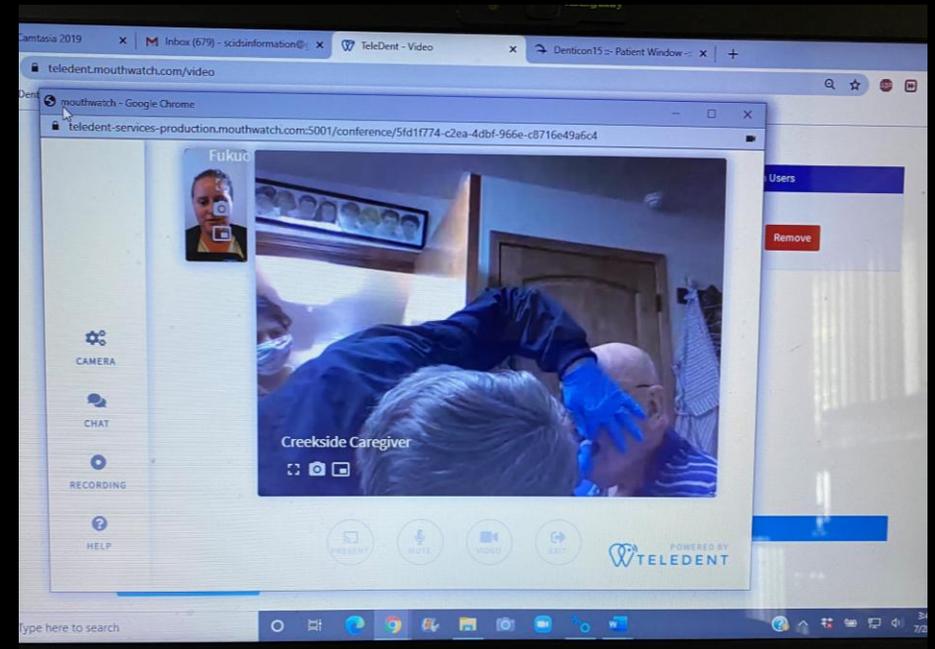
Portable Hygiene and Telehealth Recare

- Photos, Videos , Radiographs, Narratives



Remote Application of Medicaments

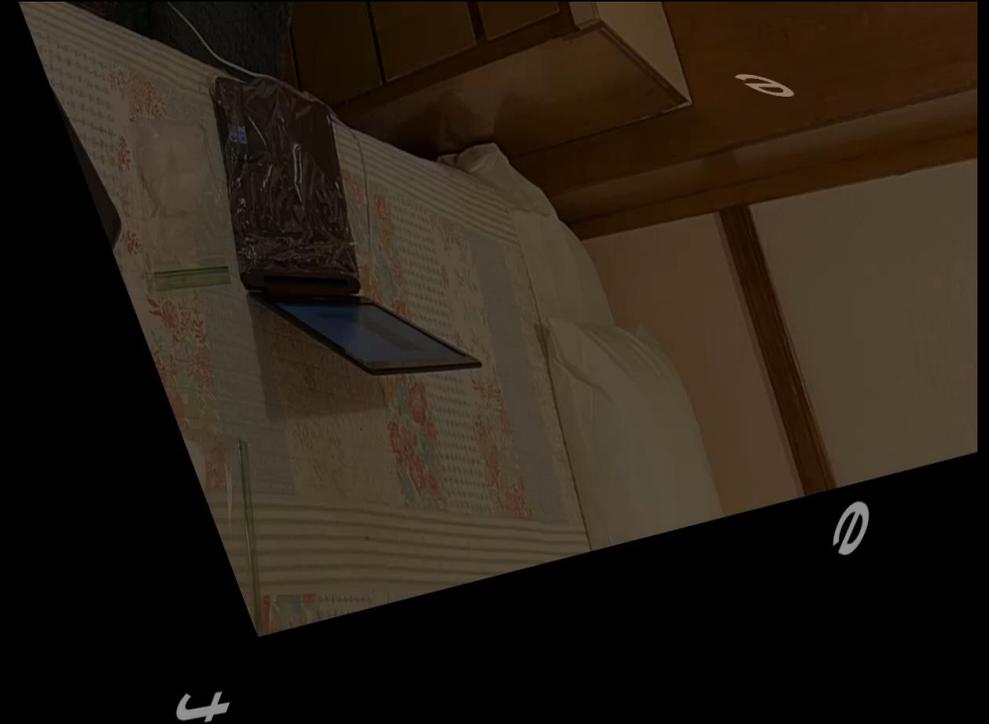
- Use teledentistry to diagnose and have a caregiver/team member apply SDF, varnish or another medicament . (Especially helpful for caries management during the pandemic)



Guided Oral Hygiene

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Utilizing audio and video technology to guide a patient or caregiver as they carry out self-care oral hygiene on a regularly scheduled basis. Guided oral hygiene is patient- specific and does not apply to the use of generic prerecorded oral hygiene instruction videos. Guided oral hygiene is a specific service and may be delivered separately or as part of a remote oral health support program. Guided oral hygiene can be represented by a combination of OHI (D41330) and synchronous teledentistry (D9995)



Assisted Oral Hygiene

Physical assistance with oral hygiene procedures for individuals who are unable to adequately perform their recommended self-care oral hygiene regimen. Assisted oral hygiene is a specific service and may be delivered separately or as part of a remote oral health support program.



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Assisted Oral Hygiene

Demo Video



Video Created by Your Special Smiles PLLC



Truthbrush Device Monthly

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Area	Frequency	Avg Duration	Completeness	Efficiency
Frequency	7%	88s	92%	91%

Brush more at highlighted areas.

Congrats!
You earned a silver trophy for brushing your teeth 13 days in the last 30 days!
Good job! Let's push for gold next month!



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Limitations with Teledentistry: Discuss

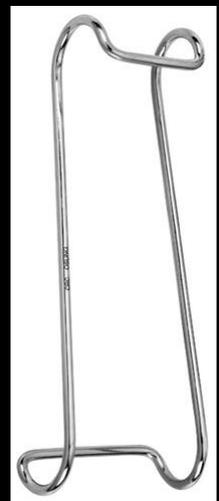


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Extraoral Photos Stuff

- Retraction
- Extraoral Camera
- PPE/Barriers



Intraoral Photos/Video Stuff

- Laptop (Secured)
- Same Retraction
- 2x2s - Bubbles
- Intraoral Camera
- PPE/Barriers



Portable Radiographs

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- Laptop (Secured)
- X-ray Software: Wifi ?
- Sensor
- X-ray Generator
- “Lead” Aprons ?

by ADA Media Relations
mediarelations@ada.org

February 01, 2024

ADA Releases Updated Recommendations to Enhance Radiography Safety in Dentistry

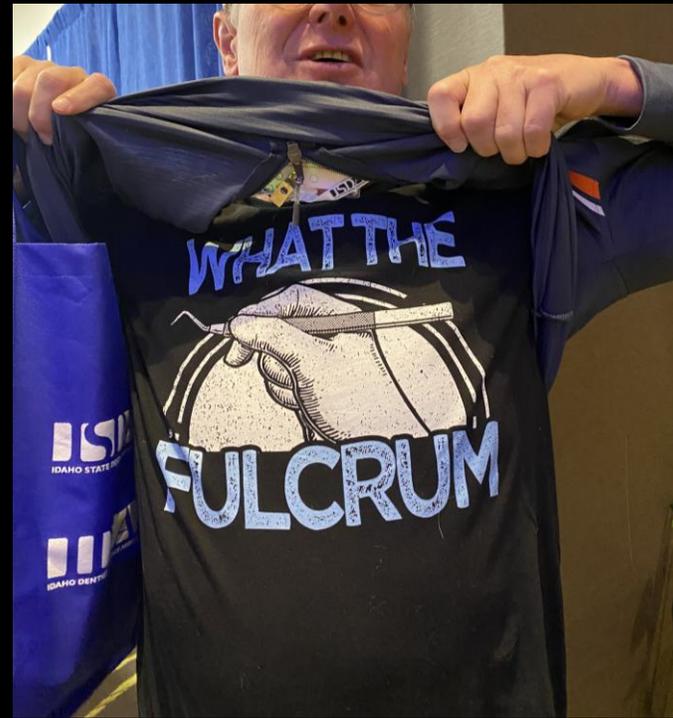
Recommendations include appropriate, justified use of dental X-rays, discontinuing use of lead abdominal aprons, thyroid collars

CHICAGO, Feb. 1, 2024 – The use of lead abdominal aprons or thyroid collars on patients when conducting dental X-rays is no longer recommended, according to



Capture Tips Videos...

- PRACTICE
- Fulcrum
- Talk to the viewer
- Wipe the Bubbles/Debris
- Who gets to see the screen?
 - Patient?
 - Operator?
 - Both?



Video Tips Examples



Can you think of any reason this patient needs to come in?



 *Your Special Smiles PLLC* 
Increasing oral health and quality of life for adults who have special needs and geriatric patients who have limited mobility
Advocacy - Access - Education

Sample Teledental Exam Sheet: (for use with patients who have limited cooperation)

Tooth	<u>Lingual/Palatal View</u>	Facial/Buccal View	Occlusal/Incisal view	Radiographs
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				



Is there value in this video?



BLAIR WITCH TELEDENT



Extraoral Capture Tips Photos

- Camera Choice: Technique Sensitivity vs Image Quality vs Convenience
- Mirrors:
 - Fog- warm mirror
- Show an example of goals
- Let them hold the retractors
- PRACTICE



What can we use to improve these?



Extraoral Photos By Patients: "Toothies"



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Instructions for Taking Tooth/Mouth Photos "Toothies"

Below are some helpful suggestions on how to get the best photos to assist your dentist in accurately completing a tele-dental exam. It will most likely take many shots to get one that will be acceptable for the dentist to clearly evaluate your tooth/teeth. It may help to adjust the focus of your camera, or to adjust the distance between your tooth and your camera. **DO NOT** use filters. **DO NOT** edit the photos. **DO NOT** draw on your photos unless asked to do this by your dentist. Wash your hands with soap and water and thoroughly clean any object you will be using to help you take these photos. **DO NOT** become discouraged. This is a new thing for you and it takes time to learn and get good photos. **It usually takes patients over an hour their first time to get a photo of diagnostic quality.** You will take MANY you will delete. Do not get frustrated. Take a break if you need. Allow yourself PLENTY of time.

BACK TOOTH (MOLAR/PREMOLAR) - WHAT DOES MY DOCTOR WANT TO SEE? Six good pictures of the tooth bothering you

Cheek Side Reflected Cheek Side Direct Tongue Side Reflected Tongue Side Direct Top reflected Top Direct

FRONT TOOTH (INCISOR/CANINE)
WHAT DOES MY DOCTOR WANT TO SEE?

Front Direct Back Reflected

WITH ALL TEETH: Picture of the gums all the way to the bottom.

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NEED A REFLECTIVE SURFACE TO GET THAT SHOT? butter knives, cheese spreaders or makeup mirrors work well. If you can see yourself clearly in the surface it is better than a surface that looks blurry. If you can get the shot without using a surface it will be the clearest.

REFLECTIVE SURFACE FOGGING UP WHEN YOU TRY TO TAKE THE PICTURE? Warm it up with hot water before using (not too hot so you don't burn yourself).

CAN'T GET THE MIRROR IN YOUR MOUTH?

Insert corner is slightly closed Rotate into mouth Then angle it to see all teeth

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NOT ENOUGH LIGHT? Turn on your flash or use a flashlight

LIPS OR TONGUE IN THE WAY? A clean spoon, a dull butter knife, a cheese spreader, or the back end of a toothbrush can be used to hold your lips out of the way.

IMAGE QUALITY LOW? Try "obsc" mode instead of "selfie" mode. Use a mirror to make sure you have a good shot. The "obsc" camera may be higher quality than the "selfie". If your reflective surface is better than a surface that looks blurry, if you can get the shot without using a surface it will be the clearest. If you have iPhone 11 the 16:9 aspect ratio seems to be the clearest

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Portable: Bring & Build

Advantages	Disadvantages
Familiar setting for resident	May enjoy going out
Insight into their daily life	Less authority in their home
Very convenient for caregivers	Physically difficult set up
Not dependent on single vehicle	CARPET



Mobile: Bring it Already Built

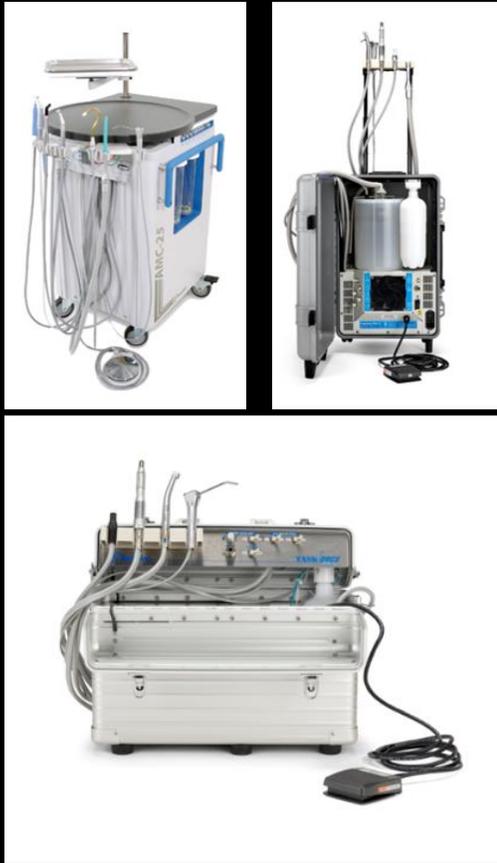
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Advantages	Disadvantages
Avoid car ride	More reliance on single vehicle
Can go almost anywhere	Unfamiliar environment for resident
Easier infection control	Medical Emergency planning
More environmental control	Less insight into their daily life
Fun “Outing”	
Less Set Up	



Portable Units: \$2,500ish - \$14,000ish

Aseptico:



DNTLworks



ASI:



Jinme



Portable Units: Desirable Traits

- Manual:
 - Available
 - Easy to read
 - English
 - Customer Support
 - Wheels
 - Weight
 - Suction Power
 - Noise Level
- Suction Power:
 - Measured in SCFM Standard cubic feet per minute
 - HV: 3-8 SCFM
 - Want at least 4.5 scfm
 - Saliva Ejector: between 1-3 SCFM
 - CMF is almost the same as SCFM. SCFM is based on ideal temperature and pressure conditions and CFM measures the actual flow
 - Also may be measured in Measured in L/Min
 - Noise Level
 - Measured in Decibels : 46ish
 - Vacuum cleaner 75
 - Refrigerator 55



Trailer and Vehicle

- Trailer
 - Garage vs Storage
 - Height / Length
 - E-Track and Tie Downs
 - Ramp and Modifications
- Truck Vs SUV
 - Weather
 - Short Trips



Sterilization and Water Lines

- Same as regular clinic
 - Waterline testing < 500 CFU
 - Test at end of every trip or monthly if more frequent
 - Enzyme / Instrument Lube



Setting Up

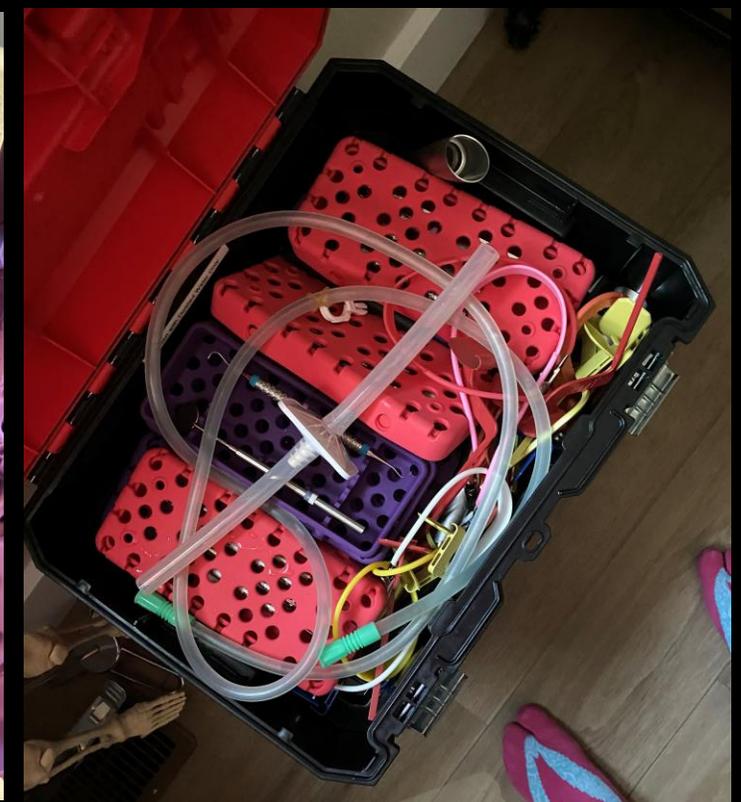
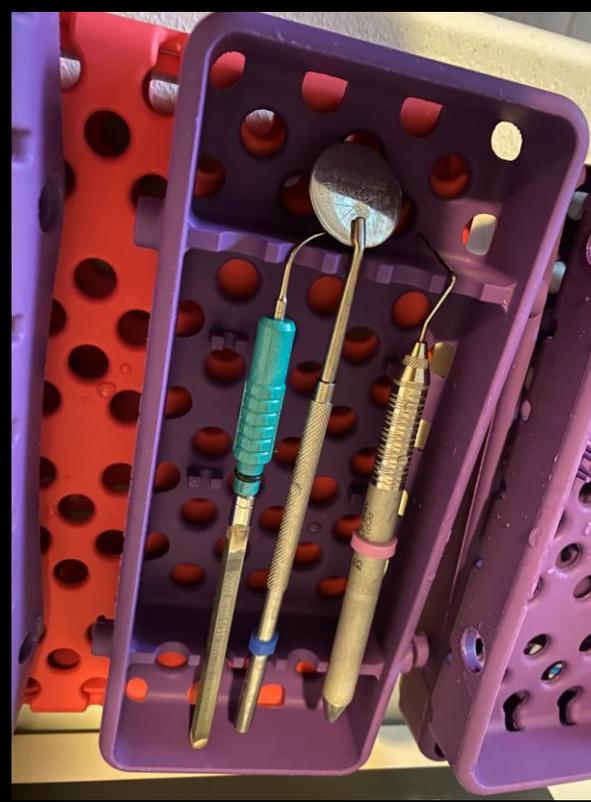
- Aerosols (Drop Clothes)
- Ramps and BIG Wheels
- Clean/Dirty Line
- Can Patients get into Sharps/Dirty Instruments?
- Privacy with multiple “ops”
- Water and Restroom



Packing Up

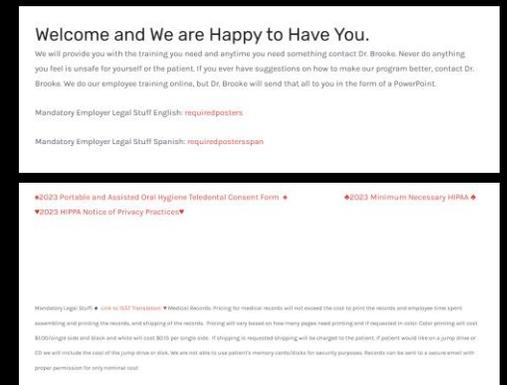
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- Dirty Sharps Double Box
- Wipe While Fresh
- Enzyme Spray / Lube
- Sharps and Biohazards
- Overnight Storage
- Order In and Out
- Projectiles



Where Do You Post Mandatory Signage ?

- 1557 Translation
 - On website
- HIPAA Disclosures
 - On website
 - In welcome pack
- State and Federal Posters
 - In trailer
 - On website
 - In employee training



Consent

- Expressed vs Implied Consent
- Often not their own guardian
 - Dynamic family relationships
- Be honest about your services offered
- Specific Informed Consent for Teledentistry:
 - Type of tech used
 - Potential breach in confidentiality and security measure taken
 - Potential disruption in communication
 - Types of activities offered and not
 - Patient must agree that doctor will determine if condition be diagnosed or treated via teledent
 - Provider's identity and credentials
 - Expressed consent to share info with third party



Liability Considerations

- SUB STANDARD SET UPS
- Patient injured during transit
- Hallucinations and accusations
- Privacy vs Comfort.

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What Should Be Included?

- Transport and Transfers
- Caregiver Presence/Participation
- Sink Access/Restroom Access
- Laundry
- Pillows/Blanket Use
- Sharps/Biohazard Disposal
- Storage and Locking Areas
- BAA
- Consent and Contacting Families
- Homecare Programs



- If they have a lawyer, you should too.



Maybe Consider NOT Including?

- Fees for YOUR Services
- Acceptance of third-party contracts
- Time or Service Guarantees

[Back to Board](#)

- If they have a lawyer, you should too.



Oh the places you'll go... maybe

- Large chains vs Ma and Pa
- Locations vs Events
- Where Else?



D9410: "House/Extended Care Facility Call"

