Stepping into a New Era – Fundamentals and Efficacy of Telehealth in Occupational Therapy

Jana Cason, DHSc, OTR/L, FAOTA, Spalding University, Professor TelehealthShare, CEO & Director of Professional Development



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Disclosures Jana Cason, DHSc, OTR/L, FAOTA

Financial

- Full Professor, Auerbach School of Occupational Therapy at Spalding University in Louisville, KY
- CEO & Director of Professional Development of TelehealthShare LLC (<u>www.telehealthshare.com</u>)

Non-financial

 Member of the American Occupational Therapy Association and the Kentucky Occupational Therapy Association



Learning Objectives

Define key telehealth terms (telemedicine, telehealth, synchronous, asynchronous, hybrid, originating site, and distant site).

Identify 3 telehealth practice guidelines, official documents, and resources to guide ethical use of telehealth in occupational therapy.

Describe 3 evidence-based clinical applications of telehealth in occupational therapy.

How my telehealth journey began...

- Personal experiences as a pediatric OT
- Grant funding/early research (published in 2009)
- Practice via telehealth
 - Early intervention & school-age populations

INTERNATIONAL JOURNAL OF TELEREHABILITATION ' TELEREHAB.PITT.EDU

A PILOT TELEREHABILITATION PROGRAM: Delivering Early Intervention Services to Rural Families

JANA CASON¹ 'Auerbach School of Occupational Therapy, Spalding University, Louisville, KY

Article available at: http://telerehab.pitt.edu/ojs/index.php/Telerehab/article/view/6007/6178

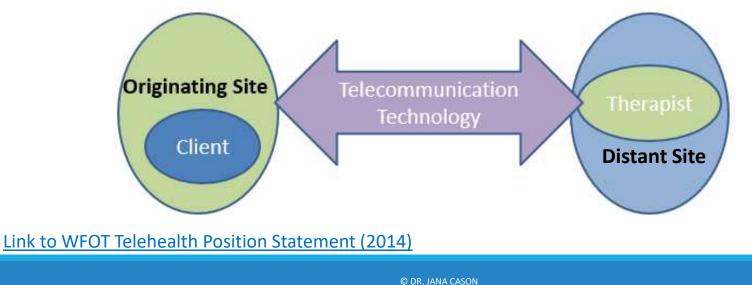


Telehealth Key Terms & Definitions



WFOT Telehealth Definition

"**Telehealth** is the use of information and communication technologies (ICT) to deliver health-related services when the provider and client are in different physical locations." (WFOT, 2014, p. 1)



AOTA'S Telehealth Position Paper Definition of telehealth

"...the application of evaluative, consultative, preventative, and therapeutic services delivered through information and communication technology" (AOTA, 2018)

Areas addressed in AOTA Telehealth Position Paper

Telehealth Models of Care and Applications	Technology	Practitioner Qualifications and Ethical Considerations	Funding and Reimbursement	

Link to AOTA Telehealth Position Paper (2018)

Key Terms

Telemedicine = telehealth (the terms are often used interchangeably)

Telehealth includes clinical services, health information, and education delivered through information and communication technologies (ICT).

Originating site - where the patient is located

Distant site - where the provider is located

Synchronous - live, interactive communication

Asynchronous – store and forward communication

Hybrid – most often used to describe a combination of in-person and telehealth services

Telehealth Service Delivery Models: Synchronous vs. Asynchronous

Synchronous Telehealth - "Live/Real-time interactions"

Phone

Videoconferencing

Real-time monitoring devices

Asynchronous Telehealth - "Store-and-Forward"

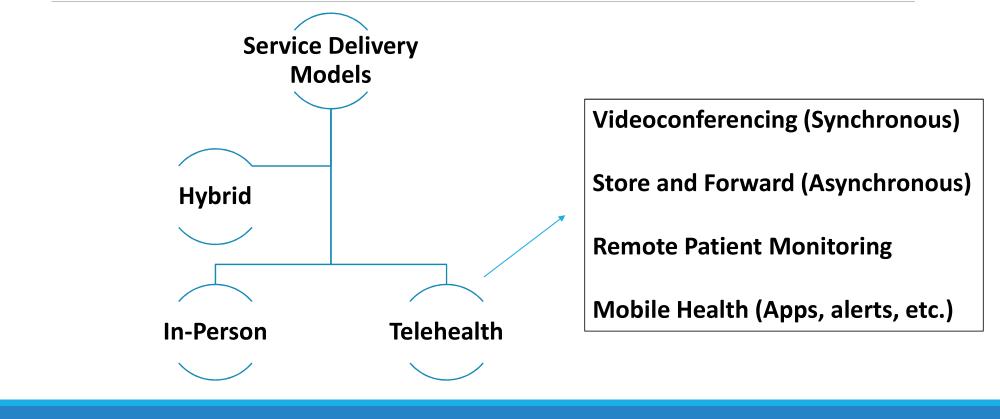
Recorded video/Digital photographs

Questionnaire-based assessment in an online portal

Recorded data from apps (e.g., pedometer/steps, sleep, mood)

Electronic communication (email, messaging, etc.)

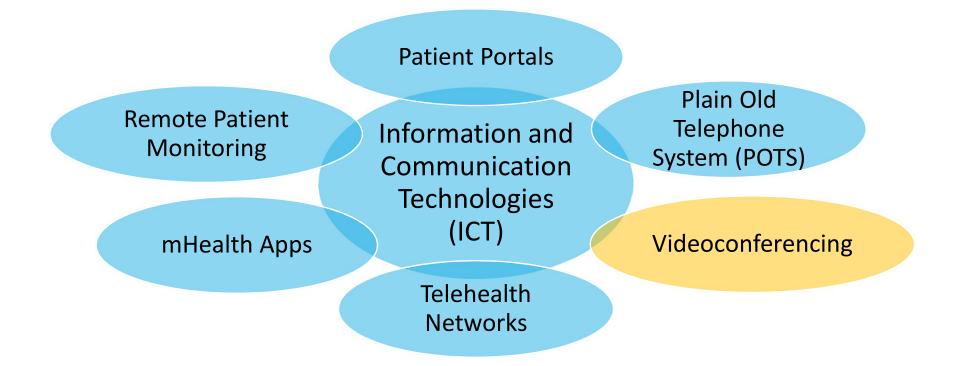
Telehealth Service Delivery Models



Telehealth Technologies



Telehealth Technologies



Technology Access for Home-based Services

Use existing technology in L the home environment

Loan equipment to the clients/caregiver(s)

A provider supplies technology to support consultation/collaboration with a remote provider

Leverage existing technology infrastructure within the community

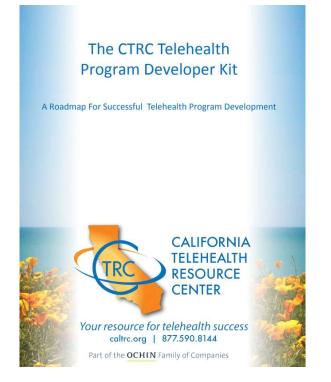
Telehealth Guidelines and Resources



Telehealth Program Development Resource

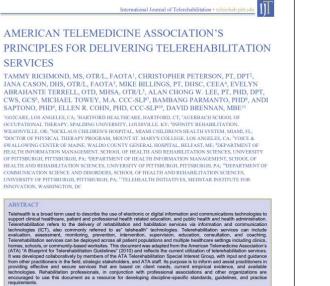
Telehealth Program Developer Kit, California Telehealth Resource Center (FREE)

https://www.caltrc.org/wpcontent/uploads/2019/05/Complete-Program-Developer-Kit.pdf



Interdisciplinary Resource

Principles for Delivering Telerehabilitation Services, American Telemedicine Association https://telerehab.pitt.edu/ojs/index.php/Telereh ab/article/view/6232



eywords: American Telemedicine Association, Habilitation, Rehabilitation, Telehealth, Telepractice

INTRODUCTION

The ATA Telerehabilitation Special Interest Group (SIG) is comprised of healthcare practitioners and technology specialists who are engaged in applying information and communication technologies (CT) in practice to improve access to rehabilitation and habilitation services. This

document was developed collaboratively by members of the Telerenhabilitation SIG, with input and guidance from other practitioners in the field, strategic stakeholders, and ATA staff. This document was adapted from the American Telerenhabilitation Guidelines' (2016) and reflects the current utilization of telerenhabilitation services. Rey updates in this

- (10.5195/ijt.2017.6232)

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AOTA Telehealth Resources

AOTA Telehealth Resource Webpage

State-by-State Chart of Telehealth Laws

COVID-19 State Updates: Summary of Telehealth, Insurance, and Licensure Developments and Comprehensive State-by-State Chart

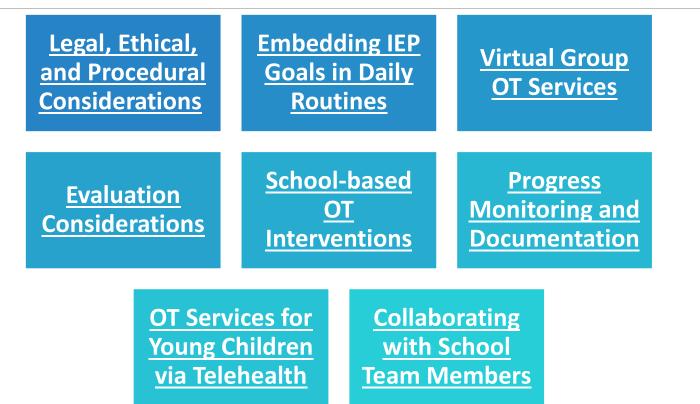
Telehealth Position Paper (2018)

Telehealth Ethics Advisory (2017)

Occupational Therapy Code of Ethics (2020)

AOTA Occupational Therapy Telehealth Decision Guide

AOTA Telehealth Decision Guides for School-Based Practice



Telehealth Ethical Considerations

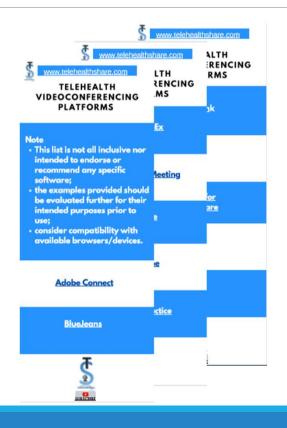


HIPAA-Compliant Telehealth Platforms

<u>Telehealth Videoconferencing Platforms</u> <u>Infographic</u>

Available **FREE** from TelehealthShare





OT Evaluation via Telehealth



0:01 / 56:39

on the <u>TelehealthShare YouTube Channel</u>

OT Assessment via Telehealth

Online Assessment Options

<u>Q-global</u> (Pearson's web-based system for test administration, scoring and reporting)

<u>WPS Online Evaluation System</u> (Western Psychological Services web-based system for test administration, scoring, and reporting)

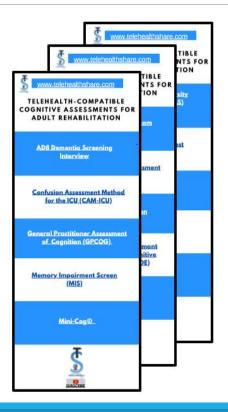
Enter client information into the assessment publisher's secure portal Client/caregiver receives an email with link to complete questionnairebased assessment



After completion, therapist is alerted and assessment can be scored and report generated

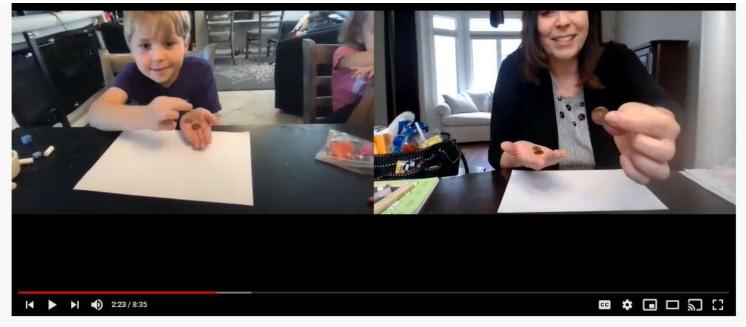
Examples of Telehealth-Compatible Assessments – Free infographics

- <u>Telehealth-compatible cognitive</u> assessments for adult rehabilitation
- <u>Telehealth-compatible life skills</u>
 <u>assessments</u>
- <u>Telehealth-compatible pediatric OT</u> assessments for school-aged children
- Telehealth-compatible assessments in early intervention (IDEA Part C)



OT Pediatric Evaluation Demonstration

TelehealthShare YouTube Channel Assessment Playlist



Functional Fine Motor Assessment (Preschool)

Telehealth Ethical Considerations

INTERVENTION

Informed Consent

There are state-specific requirements related to informed consent, including content and documentation (i.e., written/verbal)

Informed consent often includes information about:

Benefits and risks

Organizational policies related to privacy and security efforts

Financial responsibility

Client rights and responsibilities

Adaptable **FREE** informed consent available at this <u>LINK</u>.

Important Telehealth-Specific Ethical Consideration

From the AOTA Telehealth Position Paper (2018)

"Due to the intimate nature of some occupational therapy services (e.g., interventions related to dressing, bathing, toileting), special consideration should be made to avoid exposure of the client on camera in an undressed or otherwise compromised state" (p. 5).

Client Safety

- ✓ Alternate means to connect
- ✓ Verify physical address
- Consider the need for an e-helper, especially if there are client safety concerns (e.g., fall risk, etc.)
- ✓ Minimize fall risk associated with pets and other objects in the immediate environment if engaging client in physical activity.

Billing and Documentation

- Confirm reimbursement for services provided through telehealth with the insurer <u>BEFORE</u> initiating use of telehealth.
 - Insurers billing requirements may include: a modifier with regular CPT codes; change in place of service code
- Follow the documentation procedures of your organization.
 - The therapy note should document use of telehealth.
- The content of the note will be very similar to in-person session.

Telehealth Ethical Considerations: Licensure

The "Location of Service" is deemed where the client is located.

- This generally means that a therapist must be licensed in the state where the client lives/is located.
- AOTA/NBCOT are working on a professional license compact

Bottom line: Consult the state practice act, and if clarification is needed, contact the OT licensing board to assure compliance with all licensing requirements.

Telehealth Etiquette

PREPARATION, VIDEO PRESENCE, AUDIO TIPS



Technical Instruction for Clients/Caregivers

Record a video demonstration of basic troubleshooting or provide written instructions with images/screen shots

- Access patient portal
- Enter videoconferencing session from invite/link
- Turn on camera
- Turn on microphone (or change audio used by computer)

Send client a reminder for session preparation, including session date, time, and link as well as any materials needed for the session.

Telehealth Etiquette: Preparation

- Practice with technology (hardware and software)
- Log in/turn on equipment prior to session start (to avoid unanticipated delays with system updates, etc.)
- Be prepared with materials gathered and ready to start session
- Clothing (professional, non-distracting, contrast with background)
- Assure space is quiet (close door, "do not disturb", pets, competing environmental noises)
- Flow of session (beginning, middle, end/wrap up)
- Check camera placement, lighting, and background

(Telehealth Resource Center, n.d.)

Comparison of Lighting



Harsh directional lighting



Inadequate lighting



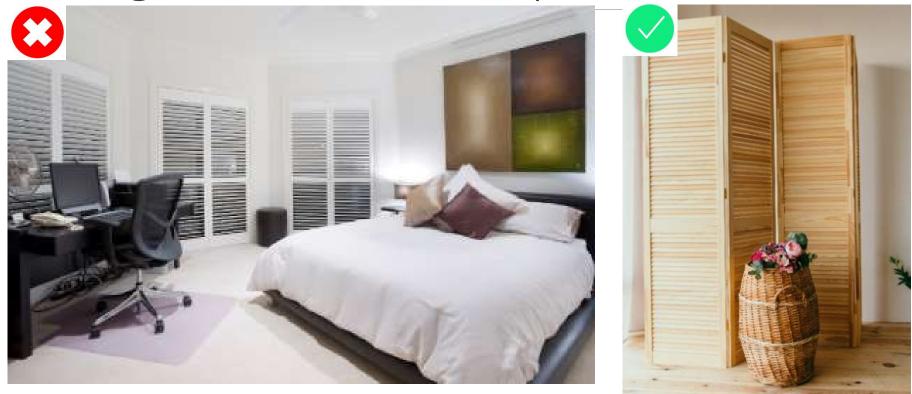
Diffused lighting is optimal

(CTRC, 2014)

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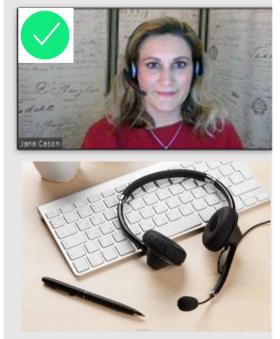
TELEHEALTHSHARE LLC

Background Visual Examples



Telehealth Etiquette: Audio Tips

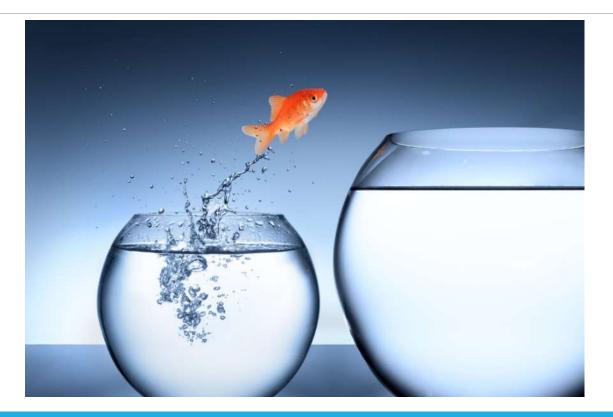
- Check microphone and speaker prior to starting session
- Eliminate competing environmental sounds (fan, air conditioning/heater, open window, silence mobile phone)
- Speak with normal voice
- Minimize competing sounds in the client's environment (e.g., request radio and t.v. be turned off)



Headsets can improve sound and voice quality.

Telehealth Resource Center. (n.d.)

Summary



References

American Telemedicine Association. (2017). Principles for delivering telerehabilitation services. *International Journal of Telerehabilitation*, 9(2),63-68. <u>https://doi.org/10.5195/ijt.2017.6232</u>

California Telehealth Resource Center [CTRC]. (2014). *The CTRC telehealth program developer kit: A roadmap for successful telehealth program development*. Available at https://www.caltrc.org/wp-content/uploads/2019/05/Complete-Program-Developer-Kit.pdf

Mid-Atlantic Telehealth Resource Center. (2016). *Telehealth: The big picture*. <u>https://nosorh.org/wp-content/uploads/2016/11/NOSORH-Telehealth-Big-</u> <u>Picture-Fact-Sheet-FINAL.pdf</u>

Telehealth Resource Center. (n.d.). *Telehealth etiquette checklist*. <u>https://www.telehealthresourcecenter.org/wp-</u> <u>content/uploads/2019/07/Telehealth-Etiquette-Checklist.pdf</u>