

Training: BA & MA in Speech/Language Pathology, Kent State University; Educational Administration, Bowling Green State University Intro & Disclosures **Experience**: 40+ years as an SLP specializing in: AAC, Complex Kathy Beatty Communication Needs, Deaf/Hard of Hearing Employment: The Speech Pathology Group (SPG): AAC Mentorship Program Coordinator & AAC Clinical Supervisor ASHA: Member; SIG 12 (AAC) Coordinating Committee

Non-Financial Disclosures

- SPG may benefit from the name visibility
- · Many thanks to Hall & Jellison, Communicare, LLC. for sharing information and resources
- · See these and additional references listed on the last

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Teletherapy It's Reality Now

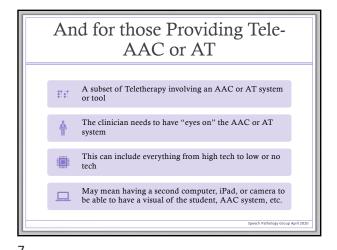
- · Who could have predicted that we would need to support our students while staying in our homes?
- · Of the many questions that clinicians have asked, the one question that keeps coming up is:

How do we serve our students that have limited engagement, complex needs, behavior issues, etc?

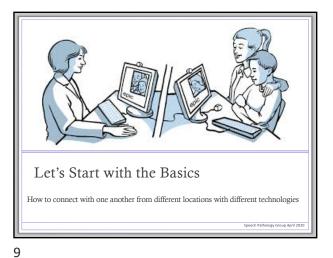
The answer is that we need a new model of services that truly supports the whole student and their families

Positives of Providing Teletherapy in the Home

Concerns of Providing Teletherapy in the Home And more!



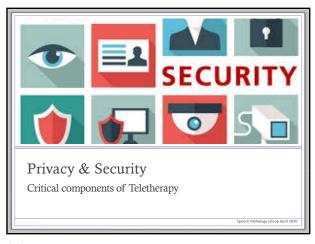
The success of the teletherapy session is closely connected to the ability of the clinician and student and/or parent/helper to communicate effectively in a virtual environment Easy to say, but how do we do that?



Teletherapy "making it work"

- · Teletherapy in optimal set-ups (like in clinics, established practices, hospitals, virtual schools, etc.) have the experience and technology already in place
- We will be focusing on "making it work" with the technology you've got at hand
- Even this may need to be adjusted depending on who you are working with and what technology is available at their home

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First things, first · Each district should have approved Teletherapy as a Service Delivery Model, including: Platform and security information Determined the platforms secure and encrypted to maintain

- HIPAA and FERPA privacy
- Link to HIPAA Compliant platforms: HHS.gov
- Many free versions of platforms are NOT secure
- A Business Associate Agreement (BAA) should be signed with company to ensure HIPAA

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Next...

- · Parents provided with notice of teletherapy services
- This ensures FERPA (Family Educational Rights and Privacy Act), a federal privacy law designed to protect a student's privacy, by generally requiring schools to ask for written consent before disclosing a student's personally identifiable information to individuals other than parents

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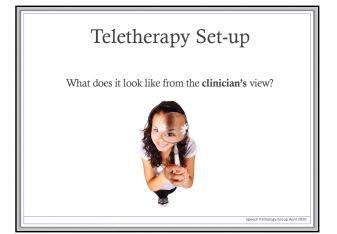
And finally

- As the clinician, ensure that you have the most private area to work from as possible
- · Be aware of who can hear
- · Be aware of who can see
- Be careful about how content from the session is shared, stored, and/or secured

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Equipment Basic Needs
Clinician

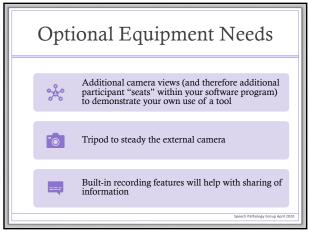
A way to see information (video and content)

A way to share content (Internet, video-conferencing software, cameras and tripods)

Relevant and appropriate content to share (AAC or AT emulation, images, tutorials, videos, etc.)

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Tele-AAC or AT Equipment Needs

- Clinician has version or emulation of student's AAC or AT system
- Camera directed to clinician's AAC or AT system or emulation for modeling
- Having access to software that can annotate or help draw attention to something can help others follow along and see what you're saying
- Headset can be valuable for improved signal reception

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Clinician's phone camera on tripod films the use of the tablet with app, using QuickTime to record on the computer

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Internet Needs Clinician

- · Hardwired whenever possible,
- 150 kbps for screen sharing with video thumbnail,
- 600 kbps for video calling, and
- 1.5 mbps for video calling with many people/seats (using a 2nd camera counts as a seat

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Software/Material Needs

Clinician

- Keep the technical complexity low so as not to take away from the service being provided.
 - For example with AAC, the games played, materials shared, and programs used should be simple yet targeted to communication.
- Work within your current skill set, this will expand with time and practice

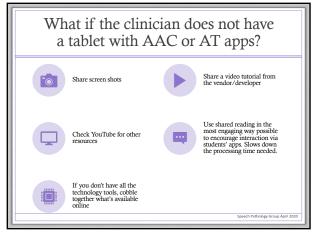
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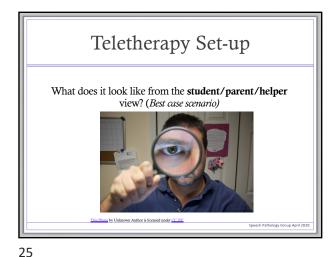
Recording

- Consider recording the session so that someone else can view it or reference it at another time when needed
- Recording is helpful for demonstrating a skill that can be able to access at a later time
- Software applications, such as: loom and QuickTime, can be used to record Synchronous and Asynchronous sessions

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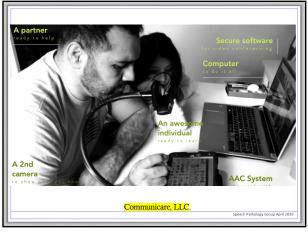


What technology is available in the student's home?

- Does the parent/helper have a smart phone?
- · Do they have a tablet?
- Do they have a computer?
- What needs to be provided?
- What do they feel comfortable with?
- All of the above has to be considered in order to provide effective Teletherapy

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Best Case Scenario!

Student & Clinician both using the same AAC devices, webcam, and computers

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Technology in the Home

- Parents/helpers can use a mobile phone and then also a tablet or computer.
- They can call in from both devices with 2 different sign-ons
- Mute one of the devices
- Clinician can then get different views of what the student or parent/helper is doing
- Especially important to have a second camera for Tele-AAC & AT so you can see their tools

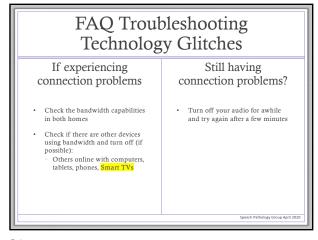
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Technology in the Home

- Clinician can direct the parent/helper to move their camera (usually mobile phone) so that the student can be seen
- If the student uses an iPad the clinician can direct parent/helper to use QuickTime or Camtasia to record their screen

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What if the student's home does not have technology?

Phone calls become the primary means of connection

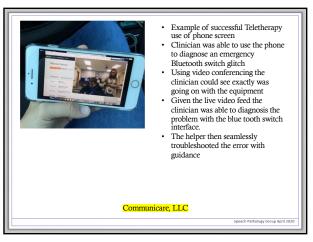
Supplemental materials sent in advance, since the phone is not the best way to share materials (Asynchronous therapy model – we'll be learning more about that!)

Giving parent/helpers the materials in advance provides a shared reference and the phone can be saved for face to face, or voice only

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Supporting Parent/Helpers

Have a clear conversation at the start:

Let them know that there are some things that cannot be recreated virtually, i.e. hands on demos

But there are some things that we can do better in a virtual setting, i.e. sharing knowledge

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Initial Parent/Helper Contact

- Complete with the parent/helper to determine:
 - the people at home
 - the home environment
 - the technology and platform available for use, and
 - the best ways to connect with them (synchronous, asynchronous, hybrid, etc.)
- Use a tele-survey to gain information
 - Example of excellent initial tele-survey provided on Communicare, LLC.'s website:

https://www.aaccommunicare.com/teleaacresources

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Initial Parent/Helper Contact

- This process is a "feature-matching" process: What are the supports and needs in the home to support the student?
- It is not a "yes" or "no" answer about whether or not someone meets the pre-requisite criteria for teletherapy services
- Rather, how are they going to be best served, and how are we going to provide the service?

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Supporting Parent/helpers

- · How comfortable are they with technology?
- How comfortable are they with the student's educational and therapy supports?
- How comfortable are they with modeling and appropriate prompting?
- How familiar are they with the student's goals, behavior supports, and needed teaching strategies?

And in the Current Situation...

- At what times is teletherapy best for the household?
- · How available are they for live sessions?
- · How much time and technology do they have for assignments?
- Are they working from home?
- Are there other children to support?
- Who else is going to be there, can the environment be controlled?

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Supporting Student

- When is the student likely to be alert and attentive?
- How long can they sustain attention while at home?
- · How often should movement breaks be included?
- Can the student shift focus from happenings at
- · Will there be visual and behavior supports available?

Language to Support Parent/helper from Hall & Jellison (2020)

"No judgment here, it's how can we meet you and how can we help support from where we are and move forward."

"It's okay if you're not comfortable. We're going to start with that." "What does feel like a comfortable starting point?"

"Let's start small and move up with from there."

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Supporting Non-English Speaking Parent/helpers

- Google Translate Mother's primary language is Spanish. Clinician used google translate to support text messages to the mother paired with Spanish resources on aided language stimulation.
- Clinician shared a video modeling the strategy and followed up with simple bulleted instructions in Spanish
- Mother sent a text message back in Spanish the clinician used google translate to translate the message.
- Given some errors in translation, visual pictures or video supported comprehension through translation.

Department of Education Teletherapy Guidance March 23,2020 https://www2.ed.gov/policy/speced/guid/idea/memosdcltrs/qa-covid-19-03-12-2020.pdf SUPPORT GUIDANCE

"...these exceptional circumstances may affect how all educational and related services and supports are provided, and the Department will offer flexibility where possible."

"...although federal law requires distance instruction to be accessible to students with disabilities, it does not mandate specific methodologies. Where technology itself imposes a barrier to access or where educational materials simply are not available in an accessible format, educators may still meet their legal obligations by providing children with disabilities equally effective alternate access to the curriculum or services provided to other students"

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"Alternate education models that may potentially be under consideration by school divisions after the current closure could include online or virtual instruction (synchronous or asynchronous), instructional telephone calls, and other curriculum-based instructional activities."

"IEP teams must individually determine what can and should occur for each student."

"Some divisions may have the ability to offer all students a continuum of options; others may only have one or two options available due to their local needs and resources"

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Therapy Models New ways to deliver services

On Site Therapy

- Direct Service
- · Indirect Service
- Consultation

Teletherapy

- · Synchronous Service
- Asynchronous Service
- Instructional Phone Calls
- Curriculum-based Instructional Activities

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OSEP Directive on IEP Minutes

 "...we're not looking at the requirement of meeting all of the required time that's in it. It was going to be looking at what is going to be most appropriate for that student to receive in order for them to continue to make progress, not only with the curriculum, but toward their progress on their goals and objectives."
 Laurie Vander Ploeg, Director of the Office of Special Education Programs (OSEP)

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More from OSEP

- "If the move to online or virtual is part of the school closure recommendation, we are not requiring you to go back into the IEP to address it."
- https://www.asha.org/uploadedFiles/Summary-of-ED-Guidance-for-Serving-Students-with-Disabilities.pdf

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Synchronous Service

- · Real-time that replicates in-person sessions
- When to use (guidance from past experiences):
 - When live engagement enhances participation.
 - When invitation is most easily conveyed in this format.
- The student that benefits most from synchronous:
 able to attend to the clinician on the screen
 - · follow directions
 - respond within a given timeframe
 - responsive to modeling and prompting (Hall, et al, 2020)

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Asynchronous Service

- · Time Delayed, not in real time
- Ensures transfer of information without the need for participants to be interacting at the same time
- · When to use
 - Parents/caregivers/student not available for synchronous activities.
 - · Families do not have access to computers or technology.
 - Student/family have solid home routine and understanding of specific activity/routines.
 - of specific activity/routines.

 The student does not require direct therapy intervention

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Curriculum-Based Instructional Activities

- Definition from APTA:
 - Materials created for students and families and typically distributed as a hard copy vs. electronic formats... Care should be taken with written materials check accommodations on IEP.
 - Materials may need to be translated.
 - Written materials should be free of jargon and written to promote readability
 - Documents should include contact information.

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Curriculum-Based Instructional Activities

- · When to use:
- Where broadband internet connectivity will not be available to students and families.
- When there is not consistent availability to participate in or supervise synchronous activities.
- When visual learning is preferred by the student or family.
- Could be used in conjunction with other models.

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Instructional Phone Calls

- Defined as audio-telephone calls delivered either individually or via phone conferencing.
- Mechanism for follow up should be defined with established time frames to responsible person (s).
- · When to use:
 - · Family has limited internet access and desires contact.
 - Auditory learning is the preference of the student or family.
 - To clarify curricular based instructional activities...
 - To promote team engagement and problem solving via real time conferencing.
 - · Can be used in conjunction with other models.

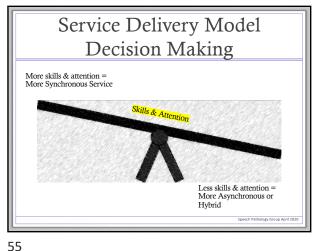
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The good news is... There's a Teletherapy model for (almost) all students Let's look more closely at Teletherapy Service Models for our students with limited engagement: Younger students Cognitive issues Sensory issues

Supporting Student Needs in **Teletherapy** The more the student The more the parent/helper: has: Limited independence at Needs to remain with the task skills Limited sustained Needs guidance with instructional techniques engagement Limited ability to shift focus Needs guidance with behavior modification tools Limited ability to regulate Needs visual supports. schedules, core boards, token boards, etc.



Services are driven by availability of student or parent/helper (DOE, 3-12-20) Students with limited engagement are often not available to benefit from Synchronous Teletherapy without onsite one-on-one support As the role of the Parent/helper expands, our role shifts to providing guidance and materials to them It is critical that Asynchronous Services are included for these students so that the supports we provide are relevant to what is happening right now

Set-up the session as closely as possible to previous onsite therapy sessions and simplify

- Carrie Clark from The SLP Solution (6-20) recommends consistency to easily transition between in-person therapy and teletherapy during Coronavirus and beyond
- Clark also recommends using one stimulus material with different reinforcers to simplify therapy and keep clients engaged:
 - "New mindset In order to increase retention and simplify, we can use the same, simple stimulus material...and change the reinforcer to increase engagement."

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More from Carrie Clark!

- Set up one generic collection that you can use for a variety of clients
 - Online games and activities
 - Videos on YouTube
 - A box of puppets & toys you keep handy for showing on-screen
 - Other generic activities and videos, such as: https://www.pinterest.com/theslpsolution/telethe rapy- resources-for-speech-language-therapy/

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Adding 3D to Teletherapy



- Teletherapy is in a 2D environment, many of our students have more difficulty with 2D only
- Encourage the parent/helper to include any 3D manipulatives that the student already has at home can be highly motivating
 - Suggestions: play doh, small stuffed animal, koosh

Synchronous Teletherapy Tips

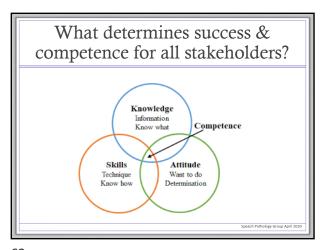
- Provide verbal information in short burst so as not to overload the student. Think:
 - Tell something, show something, tell something, show something
- To reduce the cognitive load, "bookend" the sessions with the same routine
 - This is helpful for the student and the parent/helper!
- Something may (will?) go wrong. Don't panic! Become solution oriented as everyone figures out how to move forward

Synchronous Service Tips

- Start with shorter sessions and build from there give everyone a feeling of success if possible!
- Provide opportunities to complete activities that helps them to feel competent
- This feeling of success and competence is incredibly important for:
 - The student
 - The parent
 - And YOU

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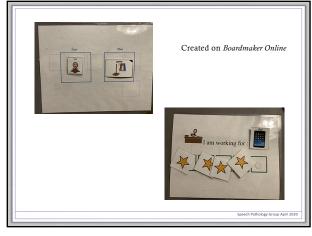
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Behavior Modification Tools

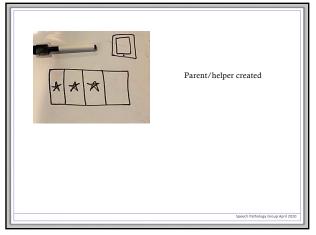
- Some students have access to visual schedules and token boards at home, but most will not.
- Mail out or share online to be printed using software such as *Boardmaker Online*
- Some visual schedules and token board images can also be accessed on a tablet or phone, or apps such as *Choice Works* by Bee Visual, LLC
- If you don't have access, there are some work arounds such as drawing one on paper or on a dry-erase board

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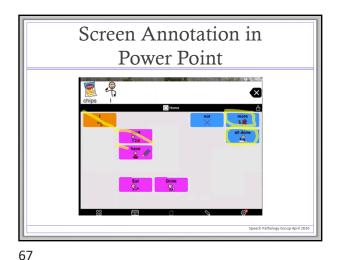


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Assisting Student to Shift Focus Challenge Assist Student being able to shift · Map out screen or paper focus from screen to activity activity by color or to communication board to movement: "in the green parent/helper, back to box you will see some clinician, etc. something popping up" Animated facial expressions, voice, or · Screen annotation

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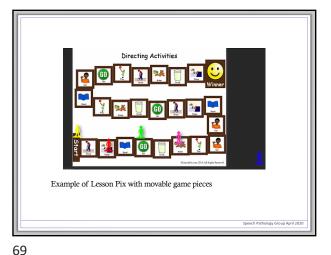


Screen Focus Supports

- Use accessibility feature of zoom in or magnifier to enlarge or add movement (e.g.: moving your cursor around) near where they should look
- Adjust cursor size and color within laptop settings to provide additional visual feedback
- Use Lesson Pix downloadable PowerPoint files with tokens, which are also great tools for making visuals. (Hall & Jellison, 2020)

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Show Finger Movements on the Screen

- For some individuals it is difficult to follow or make sense of cursor movement on the screen
- Instead try using the the camera feature of a phone/tablet or additional webcam. This creates a projector-like set-up so the student can follow the clinician's hand on the screen
- · This is more engaging and real for students
- https://www.youtube.com/watch?v=vuXm4E5Qea
 Q&feature=youtu.be

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Parent/Helper Engagement

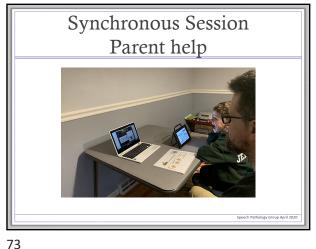
- We must ensure that they feel comfortable in their role and know the expectations of them during a teletherapy session
- Review the prompting hierarchy, communication partner strategies such as not talking or interpreting for the student, and knowing when to say the message for a student who is using a communication board
- · Check for understanding of the concepts

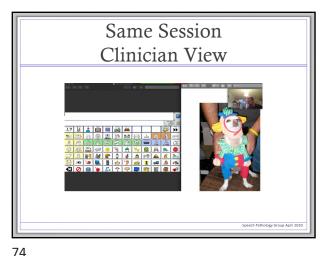
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Parent/Helper Engagement

- Give examples of what you want them to do: "give your child to the count of 5 before prompting to start the activity"
- Encourage the parent/helper to stay positive throughout the session. It is a learning process for everyone.

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But what if AAC or other educational supports have not been supported at home?

- This can be our opportunity to encourage supports in the home (gently)
- Focus on helping that parent/helper to be comfortable with educational and/or communication strategies before adding the technology piece
- · Provide activities they can enjoy together, such as SnapChat Filters: mustaches, hats on, fun stuff to laugh together about

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Synchronous Group Therapy

- Concerns about privacy abound have not been addressed
- However if group therapy must occur:
 - Maintain privacy as much as possible
 - Focus on making connections between students
 - Watch funny videos and engage in motivating activities, then comment
 - This is not the time to focus on technical issues
 - It slows the group down and discourages learning skills and communication - the real goals

Asynchronous Service

- A good option when others in the home may need to be on the computer at scheduled times, siblings with school work, parent working from home, or student cannot attend
- · Some may opt for Asynchronous services only
- Appears to be less intimidating for parent/helper
- May need to demonstrate the value of this service in the home environment by providing effective consultation for real time interactions in the home

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Asynchronous: Store-and-Forward

- Parent/Helper captures student in real-life situations
- · Audio and/or video recording
- Sent to clinician to review prior to next session
- · Must be sent via secure email or other platform
- · Clinician interprets and provides feedback

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Parent & Student Using Phone for Clinician Video

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Asynchronous Session Example



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https://www.youtube.com/watch?time_continue=2&&v=pbbqPYvJB5g&feature=emb_logo

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An example of Asynchronous Service from start to finish

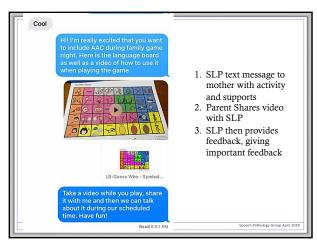
· Background:

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- · Parent working from home full-time
- · Unreliable internet service
- Has an iPhone and iPad but no access to printer
- Student is receiving Asynchronous service to accommodate the family needs

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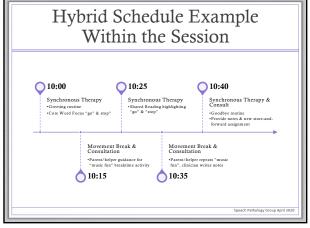


What does Hybrid Service look like?

- A combination of synchronous and asynchronous service. The percentages of each may vary depending upon student and family needs.
- Hybrid services can be within the same session, or the overall schedule

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Hybrid Schedule Example Weekly

Weekly schedule with 60 minutes of service:

Weekly schedule with 90 minutes of service:

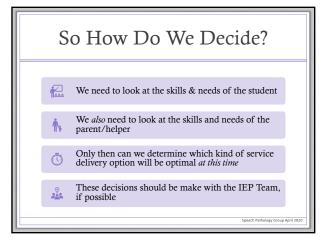
One 30 minute synchronous block with student and parent/helper One asynchronous assignment development & review (30 minutes) Two 20 minute synchronous blocks with student and parent/helper One 20 minute consult with parent/helper via phone

parent/helper via phone
One asynchronous assignment
development & review (30
minutes)

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Fluid Service Delivery

- May start off as very Asynchronous and then shift to include a little bit more Synchronous service
- Or may be that Synchronous service starts and then shifts to more Asynchronous as the parent/helper takes on more
- This should be a fluid, flexible process, especially in the current climate
- Remember, the DOE stated that they will be *flexible*

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Other Types of Teletherapy
Services

• Assessments
• Can be administered in synchronous, asynchronous, or hybrid sessions
• However, asynchronous AAC & AT assessments cannot stand alone as a reliable method of evaluation (Hall, N., et.al., 2020)
• Outside of the this presentation's scope – more will be coming on this topic!

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Lots of ideas and resources freely shared online right now

- Communicare, LLC. Teletherapy packets in English and Spanish, with both SymbolStix and MinSpeak icons:
 - https://www.aaccommunicare.com/enrichment-activities
- PrAACtical AAC has curated a remarkable evergrowing amount of teletherapy materials: https://praacticalaac.org/praactical/aac-learning-at-a-distance/

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12 Engagement Tips from Our Friends at Communicare!

7. Consider starting with short successful bursts of sessions versus longer sessions when beginning

8. Stay positive! Use succinct language, and be explicit when supporting the parent/helper

9. Have a backup plan. Be comfortable using litetech. The goal is to communicate.

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12 Engagement Tips from Our Friends at Communicare!

1. Provide parent/helpers with clear expectation of session and partner participation

2. Limit conversation with caregiver as to not distract from the individual during their session, if doing direct services

3. Limit distractions

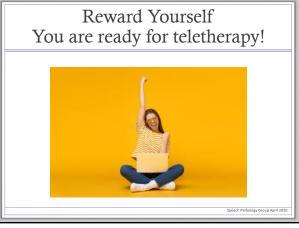


Our Primary "New" Role

- Providing parents/helpers with the skills to help their child succeed in their real-life situations: right now
- Encouraging parents/helpers that they can do it, by providing them with success
- Remember that this is an incredibly stressful time for us all – stay positive and reward yourself for taking this on!

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