

Interhab Technology Training 4:

Remote Supports:

Putting all the pieces together to support independence



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Overview

- Review of Weeks 1 & 2 & 3
 - Standard Technology vs. Assistive Technology
 - Accessibility Settings
 - Coaching & Tech Literacy
- Technology as a TOOL
 - Remote Support
 - Virtual Support
 - Safety & Ethical Considerations
- Summary and Discussion
- References



Review Discussion

What is the biggest barrier to use of technology?

What is the difference between teaching and coaching?



.It is OK to make mistakes

Technology Coaching Review

Where are the opportunities to incorporate technology?

Who will be guiding the implementation?

What happens next?



Technology for Independent Living

What are some of the barriers people face to living independently?

POLL EVERYWHERE for responses



Technology for Independent Living

Barriers

- Safety
 - Cooking
 - Falls
 - Locks
- Home Management
 - Laundry
 - Cooking
 - Cleaning
- Medication Management
 - Compliance
 - Dosage



Solutions

- Environmental Modifications
 - Fall Safety
 - Low Vision
- Remote Monitoring with Alert Systems
 - Sensors
 - Alarms
 - Cameras
- Cognitive Aids
 - Calendar Alerts
 - Visual Supports
 - Alexa/Google Home, etc
 - Customized Cognitive Aids
- Medication Management Systems
 - Alerts
 - Smart Pillboxes
 - Video calls



Technology for Independent Living

Environmental Modifications & Personal Use Technology

- Controlled by individual
 - Others may support
- Smarthome tech
 - Voice control
 - Digital control (App)
 - Environmental Control
- Cognitive Aids
 - Smart Pillboxes
 - Visual Schedules
 - Smart home schedules
 - Electronic Cognitive Aids
- Wearables
 - Seizure Monitors
 - Personal Emergency Response System(PERS)
 - GPS trackers
 - Smartwatches
 - Continuous Glucose Monitors

Remote Support

- Remote Monitoring
 - Uses camera and sensor data
 - Determines level of support individual needs
 - Call to check in
 - Send In person Support
 - Alert Caregiver
 - Activate EMS
- Virtual Support
 - May use camera or sensor data
 - May assist with programming or connecting with available apps
 - Uses Video calls or specialized systems for scheduled check-ins and on demand virtual support

Technology for Independent Work and Task Completion

Barriers

Answer here

Solutions

Visuals

Assistive Technology

Coaching

Virtual and Remote Support

Example

Considerations for Technology use

Privacy and Autonomy concerns

SAFETY

Cost and Funding considerations

Training

Staffing and Support

Policies

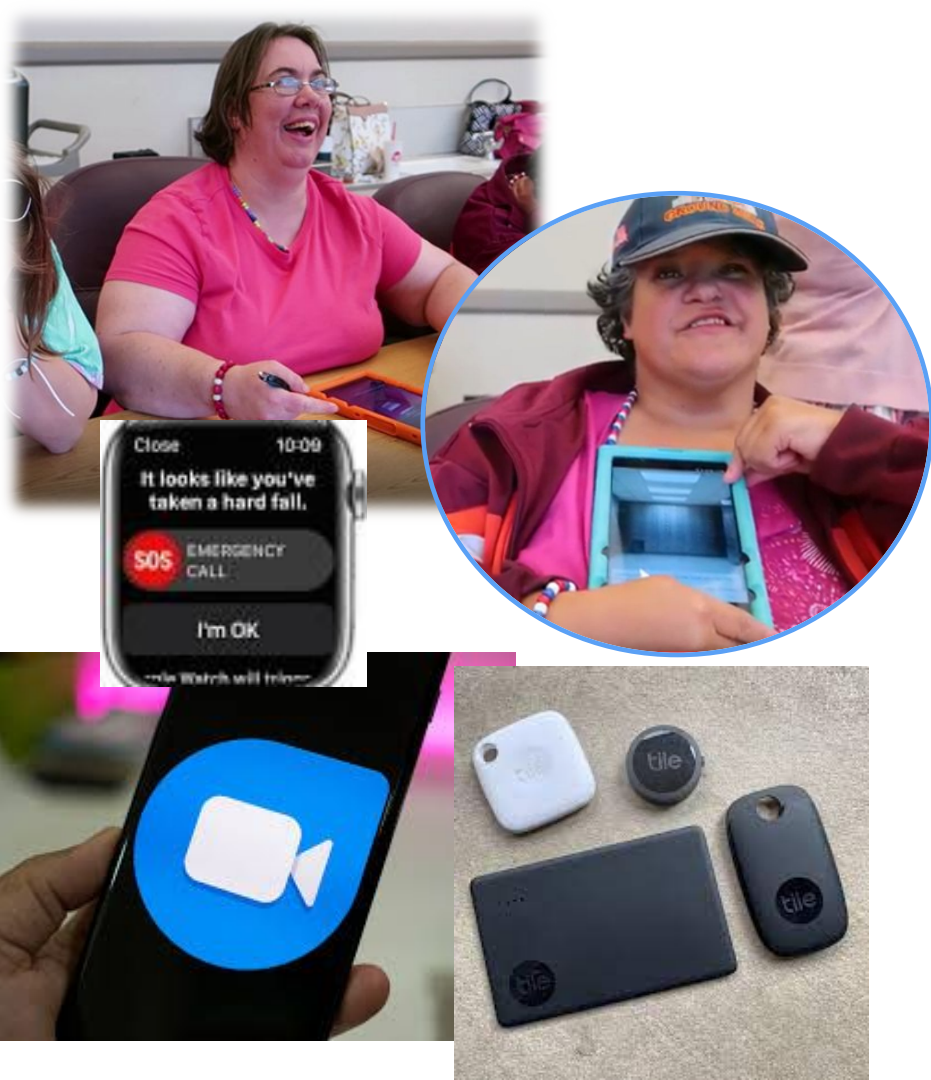
Ethical Checklist (Godwin, 2012)

1. "For whose benefit is the equipment being used? Consider who is the real beneficiary.
2. Whose definition of benefit is being applied? Would technology use primarily benefit the person [receiving services], the [staff] and/or the [provider]?
3. What are the potential effects of the technology on the wellbeing of the individual and his or her [staff]? Does it support the person's autonomy or simply reduce risk? How can a balance be struck, ensuring the wellbeing of both parties?
4. What are the actual or potential, active or passive detrimental effects of the technology? An individualized risk and wellbeing assessment is needed.
5. What are the costs and benefits (physical, emotional, psychological, ethical, financial) of using technology, and to whom do they apply?...
6. What is the real (not hypothetical) alternative to the use of this piece of [technology]? Consider the effect of [technology] use on the person's [future]." (p. 131)

Every Solution MUST be individualized there is NO one best fit

Case Examples and Demonstration

Real Life Stories of How Assistive Technology Impacts Access and Inclusion



Next Steps- Discussion

GET STARTED

- Watch for opportunities to support technology use with your clients
- Identify Clients to be Tech Ambassadors
- Help Connect to Resources
 - Send me an email at gretchen@powerupot.com



Promote Digital Inclusion



Resources and References

- Posted on June 23, 2020. (2022, August 31). Remote supports for people with disabilities. The Council on Quality and Leadership. <https://www.c-q-l.org/resources/newsletters/remote-supports-for-people-with-disabilities/>
- Godwin, B. (2012). The ethical evaluation of assistive technology for practitioners: A checklist arising from a participatory study with people with dementia, family and professionals. *Journal of Assistive Technologies*, 6(2), 123-135. <https://doi.org/10.1108/17549451211234975>
- Tanis, E. S., Wagner, J., Sedor, G., Pickard, K., & Tasse, M. J. (2023). (working paper). Expanding the Use of Remote Supports for People with Intellectual and Developmental Disabilities: An Interdisciplinary Working Group Report. Comunicore. Retrieved August 30, 2023, from <https://www.ancor.org/wp-content/uploads/2023/03/Expanding-the-Use-of-Remote-Supports.pdf>.
- Assistive Technology for Kansans <https://atk.ku.edu/atk-core-services>
- MyGuide Electronic Cognitive Device: Mpm.care