

References

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Appendix

Interview Guide

Patient- Demographics

1. What is your current age? I will list off a range and you can tell me the range you fall into: 18-30, 31-50, 51-70, or 71 and above?
2. What is your gender?
3. What are your preferred pronouns?
4. What race and ethnicity do you identify with?
5. What state do you primarily reside in?

Patient- Interview Questions

1. What device and software do you currently use?
2. How do you access your computer?
3. How long have you used this access method?
4. What do you like to do on your computer?
5. Approximately how much time do you spend on your computer daily?
6. Approximately what percentage of that time is used for face-to-face communication?
7. Are you satisfied with the amount of time you spend on your computer?
8. Please state yes or no for your desire to engage in each of the following virtual activities:
 - a. Email
 - b. Text messaging
 - c. Facetime/ Zoom
 - d. YouTube
 - e. Online gaming
 - f. Reading– can be text or audio
 - i. If yes → which platforms?
 - g. Music
 - i. If yes → which platforms?
 - h. Video streaming
 - i. If yes → which platforms?
 - i. Social media
 - i. If yes → which platforms?
9. What is your comfort level using (X virtual activity) on your device on a scale of 1 through 10? 1 being complete discomfort and 10 meaning completely comfortable.
 - a. → Ask each activity patient said yes to in previous question
10. On that same scale of 1 to 10, how important is it for you to use each of the following virtual activities? 1 being not important at all and 10 being extremely important.
 - a. Email
 - b. Text messaging
 - c. Facetime/Zoom
 - d. YouTube
 - e. Online gaming
 - f. Reading– text or audio
 - g. Music
 - h. Video streaming

- i. Social media
 - j. Face to face communication
- 11. Did your interaction with social media change after your diagnosis?
 - a. If yes → How did it change?
 - b. If yes → Has your interaction with social media changed again with the use of different access methods?
- 12. Are you satisfied with what you are able to do on your computer?
- 13. Do you feel that more training with your device or the third-party software you use would be beneficial?
 - a. If yes → why?
- 14. What facilitates your ability to access virtual activities, or in other words, what supports you in engaging in virtual activities on your device?
- 15. What currently is challenging for you to access virtual activities or keeps you from spending the amount of time you would like to on your computer?
- 16. In your opinion, does access to virtual activities increase or decrease your independence?
- 17. Does access to virtual activities increase or decrease your competence?
- 18. Does access to virtual activities increase or decrease your community engagement?
- 19. Does access to virtual activities increase or decrease your overall quality of life?
- 20. Is there anything else you would like me to know regarding your experience with social media and virtual activities?

Caregiver- Demographics

- 1. What is your gender?
- 2. What are your preferred pronouns?

Caregiver- Interview Questions

- 1. From your perspective, what do you see as facilitators or supports to (→ insert client's name)'s participation in virtual activities?
- 2. What do you see as barriers to participating in virtual activities for (→ insert client's name)?
- 3. Which virtual activities do you hope for (→ insert client's name) to have more access to?
- 4. How does (→ insert client's name) access to virtual activities affect you as a caregiver?

Supplemental Materials

TD Control is an application within Tobii Dyanvox I-13 and I-16 that makes all software accessible using eye gaze tracking. See Boston Children's Hospital's Augmentative Communication Program's YouTube channel for video tutorials of TD Control:

<https://www.youtube.com/@AugmentativeComProgBCH>