

Therapist Interview Guide

Structured Interview - Context & Affinity Questions (filled out **before** CDSS use)

(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.

1. I predominantly deal with technical systems because I am forced to.
2. I enjoy spending time becoming acquainted with a new technical system.
3. It is enough for me that a technical system works; I don't care how or why.
4. I try to understand how a technical system exactly works.
5. It is enough for me to know the basic functions of a technical system.
6. I try to make full use of the capabilities of a technical system.

Structured Interview - Usability Questions (filled out **after** CDSS use)

(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.

7. I would personally use this CDSS regularly to understand and assess patient performance.
8. I found the CDSS easy to use overall, and the various functions in this CDSS were well integrated.
9. I felt like I could trust the metrics and information provided to me by the CDSS.
10. Using this CDSS regularly would substantially interrupt my workflow.
11. I feel apprehensive about using this CDSS with future patients.
12. Using this CDSS is useful in understanding and assessing patient performance.
13. I found the CDSS very cumbersome to use, and the presented metrics weren't clear.
14. I would imagine that most people would learn to use this CDSS very quickly.
15. The information presented by the CDSS would potentially influence patient therapy plans.
16. Presenting the information in this format is NOT useful to me or my assessment of patients.

Semi-Structured Interview - Debrief Questions (open ended questions asked **after** CDSS use)

1. Before starting this study, what were your expectations for the kind of information you would receive after having your patients record themselves performing activities of daily living at home?
 - a. What do you think this CDSS would do? What did you hope to gain from it, if anything? What concerns, if any, did you have?
2. At your last session(s) with [patient name], what did you ask them to work on at home?
 - a. What exercises did you prescribe and why? Did you make any suggestions related to reported challenges in their environment?
3. After reviewing the information from the CDSS, can you think of any relevant information that you did not get from your session(s) with [patient name]?
 - a. Did the activities in the videos match the capabilities that you saw in the clinic? Did you become aware of any additional challenges that [patient name] was facing at home? Did you become aware of any additional strategies that [patient name] was using at home?

4. After reviewing the information from the CDSS, would you change anything to what you asked [patient name] to work on at home at your last session?
 - a. Would you recommend additional or alternative exercises or remove exercises? Would you make any additional suggestions about how to deal with challenges in their environment? Would you make any additional recommendations around the use of compensatory postures?
5. Did the CDSS present information that was meaningful?
 - a. What metrics were the most interesting or useful to you? What didn't make sense? How useful were the metrics compared to watching video segments? How could the information be made more useful?
6. When using software of this nature, what is your primary goal or what do you hope to achieve?
 - a. What would prevent you from achieving [primary goal]? What improvements could be made to make [primary goal] easier or better? Does this CDSS adequately meet these goals?
7. After briefly playing around with it, what is your overall impression of this CDSS?
 - a. Is there anything that stands out as something that doesn't make sense? On the flip side, what are some of the things you liked or thought were intuitive?
8. How would/could you use the information and metrics presented by this CDSS?
 - a. Would you ever need to share these metrics with others? If yes - who, what format, method? Would you ever need to export the information presented? If yes - when, why, what format? What metrics were the most interesting or useful to you? What didn't make sense?
9. What would be some of the reasons you would want to check a patient's profile on this CDSS?
 - a. How long do you expect to look at each patient's profile weekly?
 - b. Under what circumstances would you want to receive an alert or notification? Through what channels (i.e. email, text, in the application, etc.)?
10. In a magical world with no limits on money or technology, how would you ideally want to use wearable technology and/or CDSS to help you do hand function assessments in outpatient settings?