

# 1 Questionnaires

Table 1: System Usability Scale (SUS) questions. The therapists completed two SUS questionnaires, where term *system* was replaced by *robot* and *graphical user interface (GUI)* respectively for finer granularity. Items that are inverted in the analysis are marked with (R).

Nr.	Question
Q1:	I think that I would like to use this <i>system</i> frequently.
Q2:	I found the <i>system</i> unnecessarily complex. (R)
Q3:	I thought the <i>system</i> was easy to use.
Q4:	I think that I would need the support of a technical person to be able to use this <i>system</i> . (R)
Q5:	I found the various functions in this <i>system</i> were well integrated.
Q6:	I thought there was too much inconsistency in this <i>system</i> . (R)
Q7:	I would imagine that most people would learn to use this <i>system</i> very quickly.
Q8:	I found the <i>system</i> very cumbersome to use. (R)
Q9:	I felt very confident using the <i>system</i> .
Q10:	I needed to learn a lot of things before I could get going with this <i>system</i> . (R)

Table 2: Perceived Usefulness (PU) questionnaire.

Nr.	Question
Q1:	Using the system in my job would enable me to accomplish tasks more quickly.
Q2:	Using the system would improve my job performance.
Q3:	Using the system in my job would increase my productivity.
Q4:	Using the system would enhance my effectiveness on the job.
Q5:	Using the system would make it easier to do my job.
Q6:	I would find the system useful in my job.

Table 3: Interest/Enjoyment subscale of the Intrinsic Motivation Inventory (IMI) questionnaire. Items that are inverted in the analysis are marked with (R)

Nr.	Question
Q1:	I enjoyed doing this activity very much.
Q2:	This activity was fun to do.
Q3:	I thought this was a boring activity. (R)
Q4:	This activity did not hold my attention at all. (R)
Q5:	I would describe this activity as very interesting.
Q6:	I thought this activity was quite enjoyable.
Q7:	While I was doing this activity, I was thinking about how much I enjoyed it.

## 2 Semi-structured Interviews

Table 4: Initial questions for the semi-structured interviews with the therapists.

Nr.	Question
Q1:	Describe your experience with the therapy system.
Q2:	What do you think about the games?
Q3:	What do you think about the fact that you could feel the objects?
Q4:	What do you think about the user interface?
Q5:	What do you think about the robot?
Q6:	What do you think about the movements that can be performed with the robot?
Q7:	How do you estimate the transferability to activities of daily living?
Q8:	What would you improve?
Q9:	Is there anything else you would like to say?

Table 5: Initial questions for the semi-structured interviews with the patients.

Nr.	Question
Q1:	Describe your experience with the therapy system.
Q2:	What do you think about the therapy exercises?
Q3:	What do you think about the fact that you could feel the objects?
Q4:	What do you think about the therapy robot?
Q5:	What would you improve?
Q6:	Is there anything else you would like to say?

### 3 Questionnaire Results

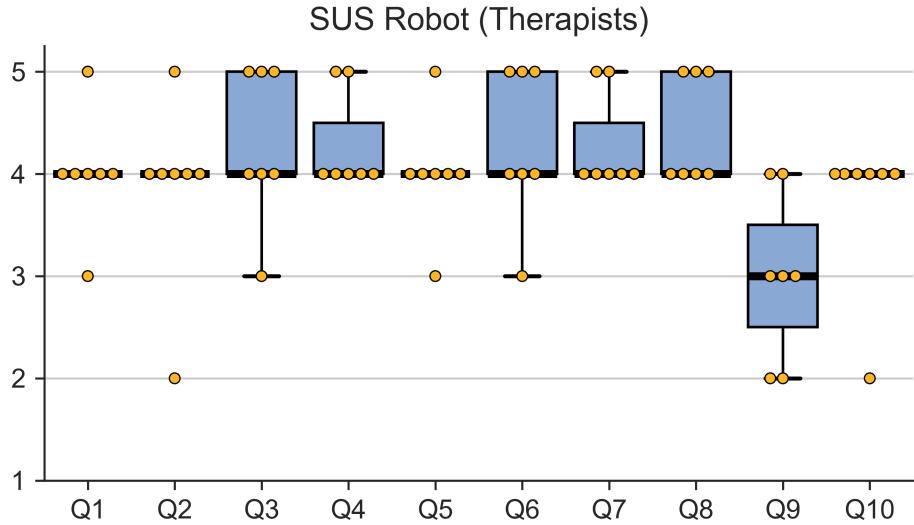


Figure 1: Therapists’ responses to the individual questions of the SUS questionnaire on the robotic device. The five-point Likert items ranged from “Strongly disagree” to “Strongly agree”.

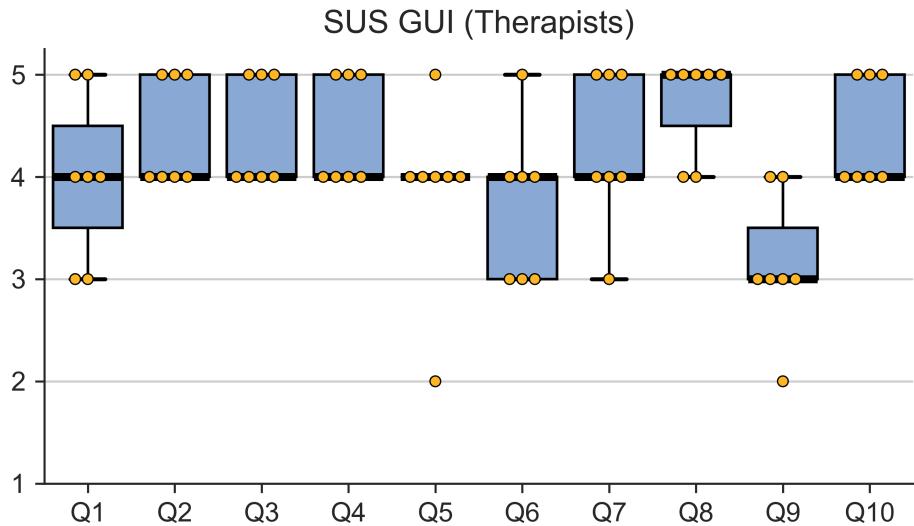


Figure 2: Therapists’ responses to the individual questions of the SUS questionnaire on the graphical user interface. The five-point Likert items ranged from “Strongly disagree” to “Strongly agree”.

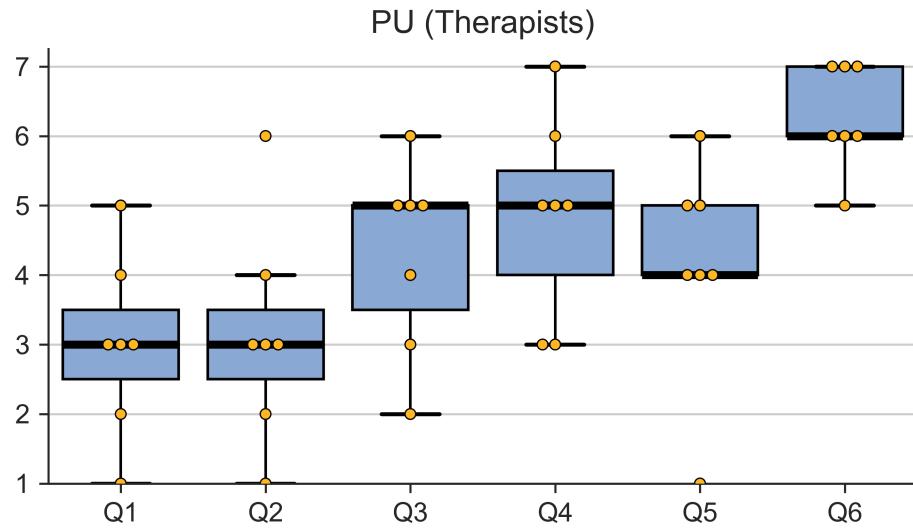


Figure 3: Therapists' responses to the individual questions of the PU questionnaire<sup>4</sup>. The seven-point Likert items ranged from ‘Unlikely’ to ‘Likely’.

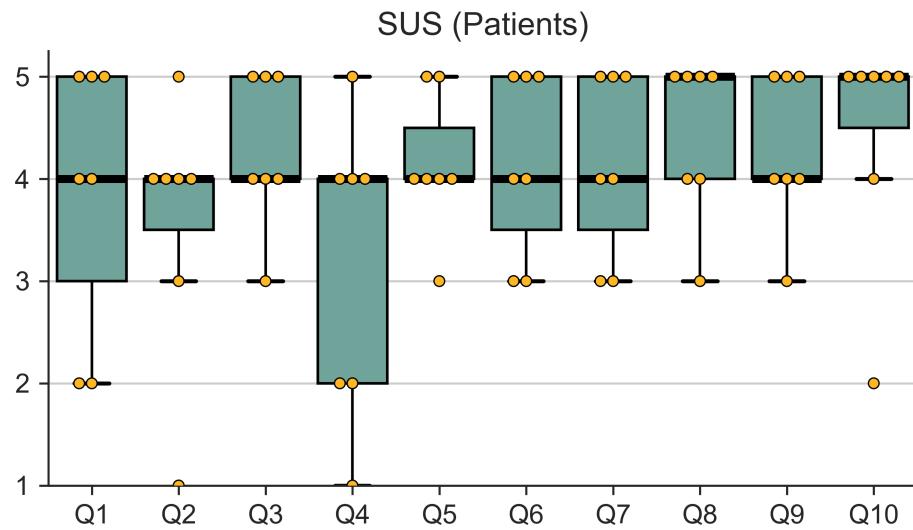


Figure 4: Patients' responses to the individual questions of the SUS questionnaire on the system. The five-point Likert items ranged from ‘Strongly disagree’ to ‘Strongly agree’.

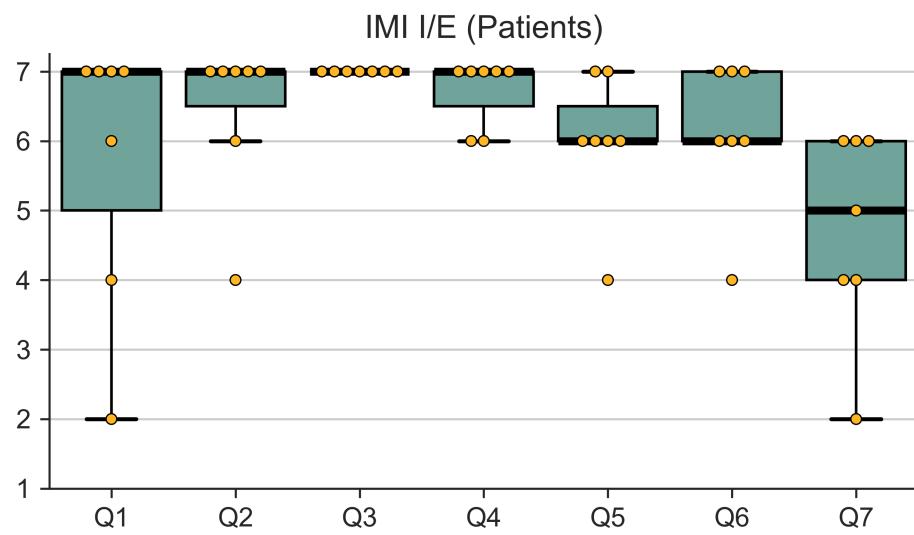


Figure 5: Patients' responses to the individual questions of the Interest/Enjoyment subscale of the IMI. The five-point Likert items ranged from "Not at all true" to "Very true".