Mutual Shaping in the Design & Use of Socially Assistive Robots: A Case Study on Social Robots for Therapy

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Electronic Supplementary Material 2: Focus Group Topic Guide

Before the Focus Group Session	Information sheet Consent form Demographics/therapist information collection Acceptance measure
Focus Group [Approx 1 hr]	**Welcome & Introduction [5 mins]** *Welcome and explain that 'we are going to start the focus group by discussing some aspects of therapy that I am interested in. Later we will take a break I will talk a bit more about the work I am doing but I want to get your views on a few things before we talk too much about that'.* Housekeeping: • Collect signed consent forms • Name labels • Make participants aware when turning on audio equipment (and hence withdrawal issue)

Pre-Demo Discussion [30 mins]
Topic Guide:
- Round the group introductions – name and area(s) worked in/typical service user(s) worked with
- [Expert establishment] *'What are your main goals when working with service users?'*
- [Robot images on screen] Use of robots in supporting a therapy program – *'What do you think about using robots to support a therapy program? How do you think that robots might be able to do that?'*
- Self-practice as part of a therapy regime – *'Do you prescribe self-directed exercises/tasks for your service users to complete at home? What might these be? What is the importance of such exercises?'*
- Reporting of self-practice – *'Do you ask service users to report back or keep a record of self-practice? Do you think this is accurate?'*
- Engagement and motivation – *'How do you monitor service users' engagement? Do you often find yourself trying to motivate service users? How might you try to do that?'*
- **[Post it note exercise]** Factors affecting compliance with self-practice – *'What kind of factors do you think affect service users' compliance with self-practice exercises? The literature suggests… (on screen) Use the post it notes to rank these, as well as come up with any additional factors you can think of.'*

Project Presentation & Demo [20 mins]	
[1] Exercise Based Pepper guides user through repetitions of a simple arm exercise.	**[2] Task Based** Pepper prompts user through a sequence based task e.g. making a cup of tea or preparing a microwave ready meal.

	Post-Demo Discussion [10 mins] Topic Guide: - Demo feedback – *'Firstly I would like to get your feedback on the demos – these are really my first attempt at what a robot coach might look like. What do you think? How would you have done it differently?'* - Revisit use of robots in supporting a therapy program – '*Now that you have seen the demonstrations, I'd like to discuss again your thoughts on using robots in therapy and how that might be beneficial. What would a robot aid look like, how could it help?* - Useful data that could be collected by the robot for use by the therapist – *'Using a robot as well as other sensor systems it is possible to collect a huge range of data from the service user. Thinking about the measures you might use to monitor service user progress, what information is likely to be most useful to you?'*
	Thank you/Debrief Housekeeping: Acceptance measure