Therapist-Patient Interactions With The WeHab System
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Introduction
The WeHab system is a rehabilitation instrument designed to use the WiiFit balance board as a part of physical therapy for patients with balance issues, such as recent stroke victims. Previous studies of the technology suggest it can help patients with balance rehabilitation [1] but further research is ongoing. This research includes examining if use of the WeHab system influences the dialog and interaction between a therapist and patient (with WeHab condition). Recorded conversations between therapist-patient pairs were coded for different types of statements, including whether the person was asking a question or making a statement. These conversations were then compared to coded recordings of therapist-patient pairs that did not use the WeHab system.

Reliability
For this data, multiple coders looked at recorded conversations and coded both the utterances between therapist and patient, and the nature of those utterances. Each conversation was coded by two different people, however not all files were coded by the same two people. Therefore, to determine the reliability of our data we used G(q,k), a reliability estimator designed to reduce bias in data with multiple-coder combinations. [2] The coding was found to have a reliability value of over .99, where 1.0 is perfect alignment.

Findings
Preliminary analysis found that there was no significant difference between sessions with or without the WeHab in terms of how often the Therapist asked the Patient to do something as opposed to telling them. T-statistic was not significant at α=.05 (t=-0.876)
Furthermore, there was no significant difference between groups in how much the Therapist and Patient spoke, in terms of percentage of all utterances. T-statistic was not significant at α=.05 (t=-1.694).

Conclusion
These preliminary results suggest that the presence of the WeHab system had little effect on the conversation between Therapist and Patient for these measures, however further research would be beneficial. For example, future analysis could look at specific types of statements, such as if the Therapist is more encouraging in either condition.

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