

**Title**

DigiTAAL: Selecting Tablet Games for Speech and Language Therapy for preschoolers with SLI

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Background

Speech and language therapists (SLT) notice that tablet games are appealing devices for young children. However, there are differing opinions on whether gaming in language therapy has a positive effect on language development of pre-school children with specific language impairment (SLI). It is not clear which features of tablet games make them suitable as material for therapy of children with SLI.

Aim

The study aims to facilitate uniform rating of the usability of tablet games as material for language therapy for preschoolers with SLI. A reliable checklist to select suitable tablet games for therapy and an open-source database with evaluated tablet games will be developed.

Method & procedure

In this study, an existing checklist based on focus group results of SLT's was further elaborated. The clinimetric properties of the checklist (inter-rater-reliability and validity) were measured using reviews of 29 SLT's on 15 tablet games.

Results

The checklist and the clinimetric properties will be presented. Together with the reviews on 15 games by the SLTs participating in this study, the checklist will be integrated in App Finder, the open-source database of Royal Kentalis. Using this checklist, new reviews of other tablet games can be added to the database.

Conclusions & Implications

We expect to have developed an instrument to select suitable tablet games for language therapy for preschoolers with SLI. However, probably only a moderate inter-rater reliability can be obtained, because a certain degree of subjectivity in the ratings of SLT's is inevitable.