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Developing design criteria for iPad stands to meet the needs of older adults in group settings

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Introduction

iPad stands used in a social setting of an ageing well program
Current tablet stands require fine levels of dexterity
Today I’ll cover

• Method
• iPad Stands
• Data Collection
• Data Analysis
• Implications
Data Collection Methods

Procedure
• Observation

Participant Sample
• 32 older adults in ageing well program
• Physical limitations
# Chosen iPad Stands

1. Belkin Flip Blade Adjust
2. Wallee X-Lock Kick
3. Joby Gorilla Mobile Yogi

<table>
<thead>
<tr>
<th>Stands</th>
<th>Materials</th>
<th>Tilt</th>
<th>Modes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belkin Flip Blade Adjust</td>
<td>Aluminium, plastic</td>
<td>4 angles</td>
<td>Portrait and landscape</td>
</tr>
<tr>
<td>Wallee X-Lock Kick</td>
<td>Brushed aluminium</td>
<td>2 angles</td>
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Polycarbonate, ABS plastic
Countless angles
Portrait and landscape
Data Collection

- Observations
- Semi-structured interviews

Participant Group:
- 32 participants

SHOW VIDEO
Data Analysis

• Content analysis (Patton 2002)
Results grouped in

- Usability of set up
- Group use
- Aesthetics
- Materials
Implications from results

1) Easy to assemble by older adults with varying physical capabilities
2) The tablet and the stand should compile to one unit
3) Clear feedback (visual and acoustic) when assembled
4) Sturdy stand- in particular to strong pressure against the screen
5) Screen angle needs to be adjustable
6) Turn easily without losing stability
7) Aesthetics should carry familiarity for the user
8) Materials should support a good grip
Conclusion

• iPad stands require fine levels of dexterity often not easy for elderly users

• Social activities between two or more older adults has specific demands
Thank you