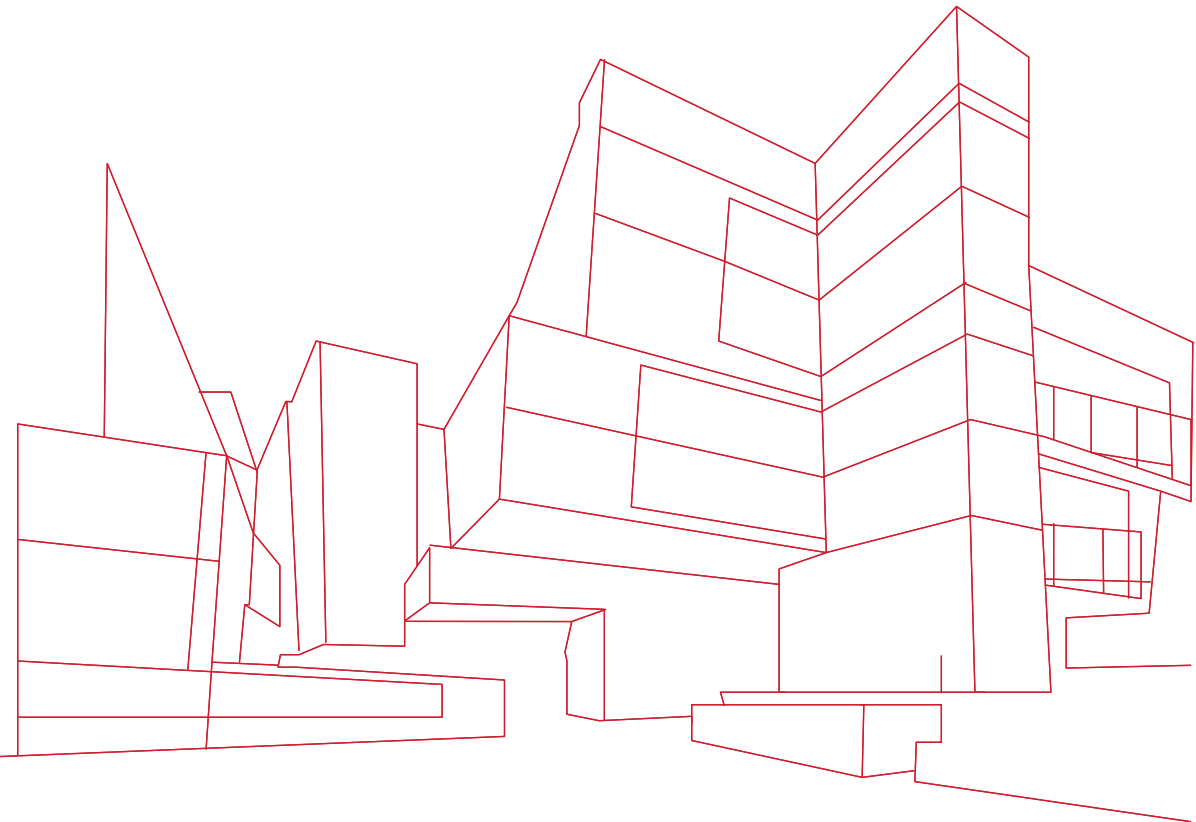


Melbourne, Australia

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

Stands	Materials	Tilt	Modes
Belkin Flip Blade Adjust	Aluminium, plastic	4 angles	Portrait and landscape
Wallee X-Lock Kick	Brushed aluminium	2 angles	Portrait and landscape
Joby Gorilla Mobile Yogi	Polycarbonate, ABS plastic	Countless angles	Portrait and landscape

Belkin Flip Blade Adjust

- Aluminium, plastic
- 4 angles
- Portrait and landscape



Wallee X-Lock Kick

- Brushed aluminium
- 2 angles
- Portrait and landscape



Joby Gorilla Mobile Yogi

Polycarbonate, ABS plastic
Countless angles
Portrait and landscape



Data Collection

- Observations
- Semi-structured interviews

Participant Group:

- 32 participants

SHOW VIDEO

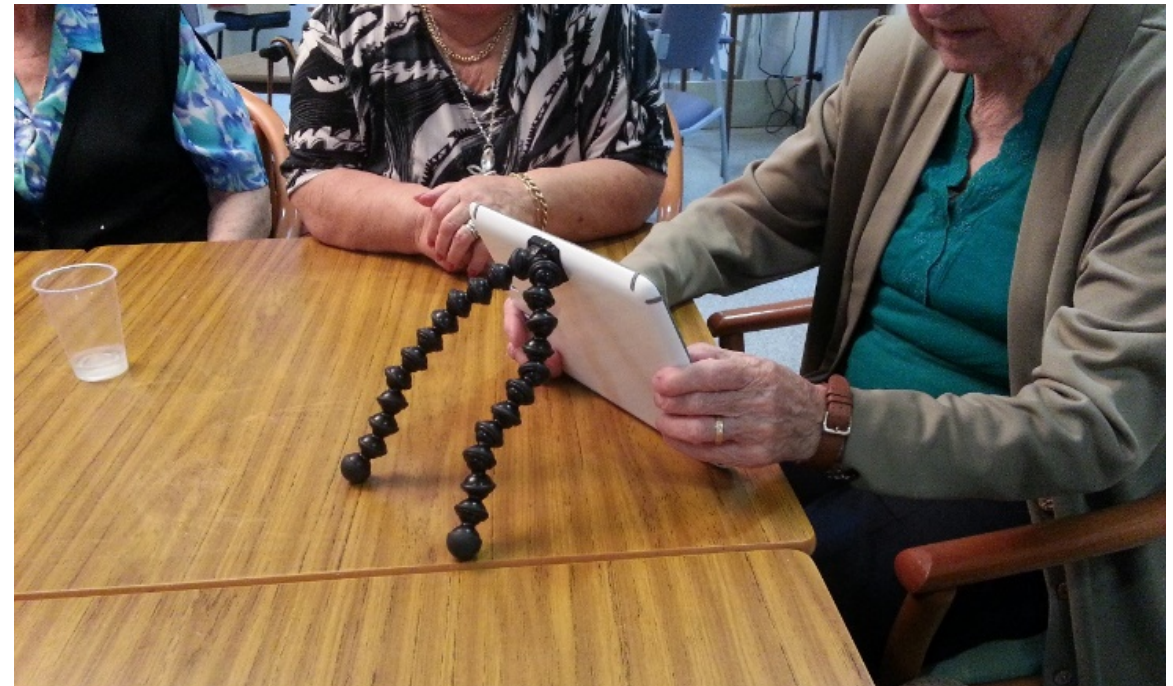
Data Analysis

- Content analysis (Patton 2002)



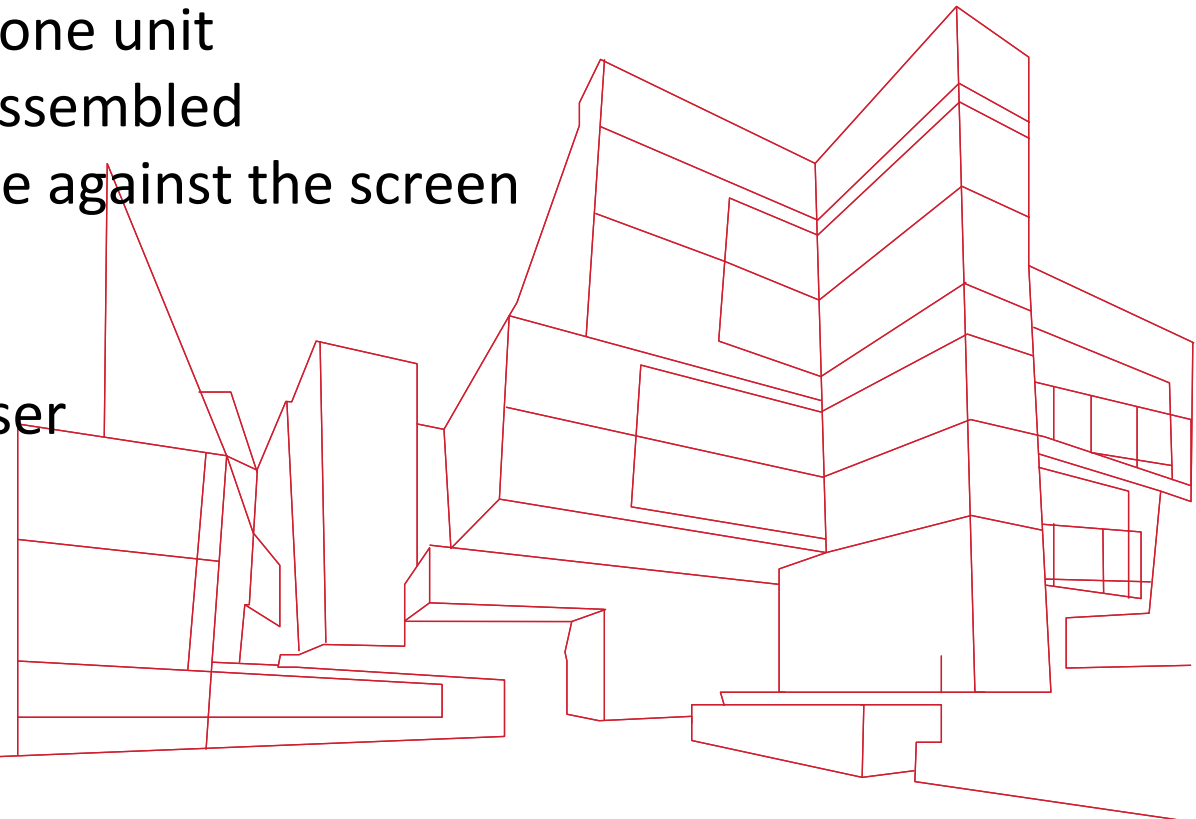
Results grouped in

- 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

