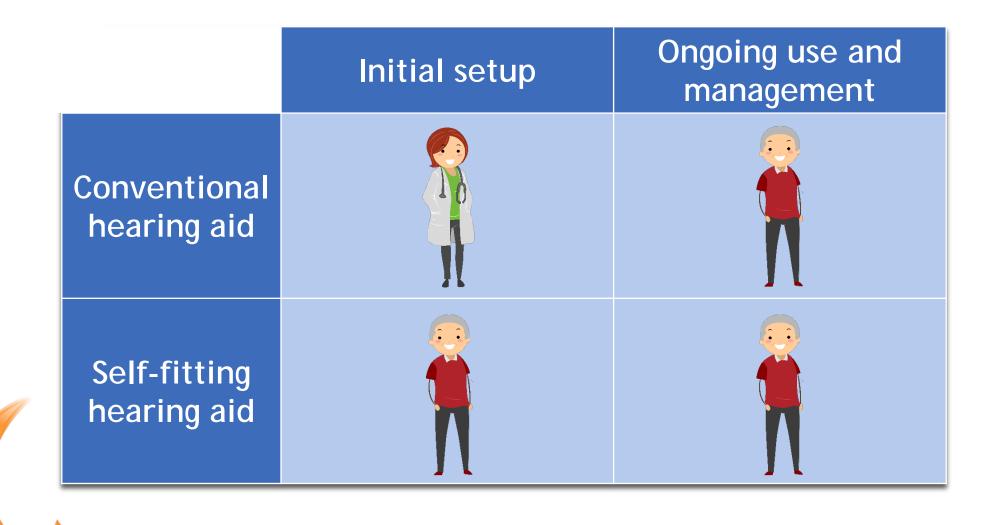
Self-fitting hearing aids: issues of candidacy and support



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- ✓ Accessibility
- ✓ Cost-effectiveness
- ✓ User independence and control

Overarching goal: To map out a service delivery model that will support self-fitting hearing aid users

Candidacy: What factor(s) predict success with setting up a self-fitting hearing aid?
Support: To what extent do people need support with setting up a self-fitting hearing aid? What is the nature of the required support?

STUDY DESIGN

Cognitive function Problem-solving skills HA self-efficacy Health locus of control Previous HA experience

Initial

assessment

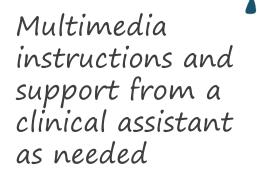
Self-fitting setup procedure Outcome assessment

> Target N = 60N to date = 49

STUDY DESIGN

Cognitive function Problem-solving skills HA self-efficacy Health locus of control Previous HA experience

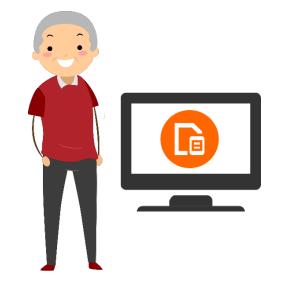




Target N = 60N to date = 49

Initial assessment Self-fitting setup procedure

Setting up the hearing aids, part 1: The physical handling steps





Step	% Correct
Identify L & R HAs	100
Choose ear tip size	100
Adjust tube length	88
Insert HAs into ears	82

Setting up the hearing aids, part 2: Using the smartphone and app





Step	% Correct
Pair HAs to phone	63
Assign L & R HAs in app	43
Automatic hearing test	67
Practice fine-tuning	82

Setting up the hearing aids, part 2: Using the smartphone and app





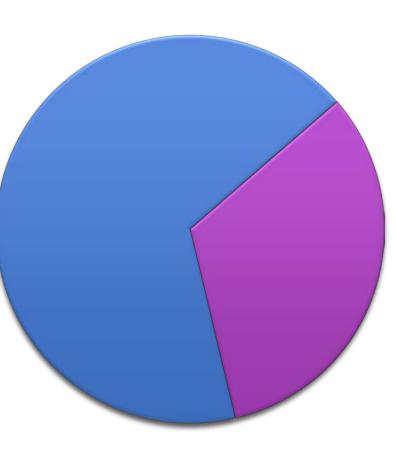
Step	% Correct	% Correct
Pair HAs to phone	63	94
Assign L & R HAs in app	43	98
Automatic hearing test	67	94
Practice fine-tuning	82	90

67% Successful

• Completed the task independently, using the instructions only

OR

 Correctly identified specific difficulties and sought help with them from the CA



N = 49 to date

33% Unsuccessful

• Did not complete the self-fitting task

OR

 Did not recognise errors in earlier steps until help was sought from the CA for a later step

RESULTS



A person who is successful at setting up a self-fitting hearing aid is likely to...

- ✓ Be younger
- \checkmark Own a smartphone or tablet
- ✓ Have previous HA experience
- ✓ Have better self-management skills
- ✓ Have better cognitive function
- ✓ Be a better problem-solver
- ✓ Have higher HA self-efficacy
- ✓ Believe less strongly in the effect of "powerful others" on health status



OBSERVATIONS

The majority of problems required face-to-face contact with the clinical assistant to adequately resolve



Many participants, especially those without previous HA experience, have been requesting rehabilitative support, not just technical support

Some participants experienced significant ongoing problems during the field trial, yet did not seek help



DISCUSSION

HA Fitting

Follow-up



Assessment





Primarily focuses on auditory characteristics (audiogram, speech discrimination)

Performed by audiologist in the clinic; client receives paper instruction booklet to take home Primarily focuses on ensuring HA settings are appropriate and client has mastered HA handling skills

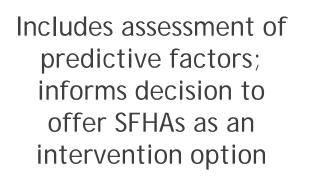
DISCUSSION





Next best thing to a face-to-face encounter

> Let's Skype!



Performed by the client at home; technical support delivered via a range of modalities and tailored to individual needs and abilities

SFHA Fitting

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Hi! How are you going? Is there anything we can help you with?

Supportseeking prompts via the app Follow-up



Focuses on meeting client's psychosocial needs and providing rehabilitative support

THANK YOU



