

An update on the latest developments in the audiology industry

Prof Elaine Saunders

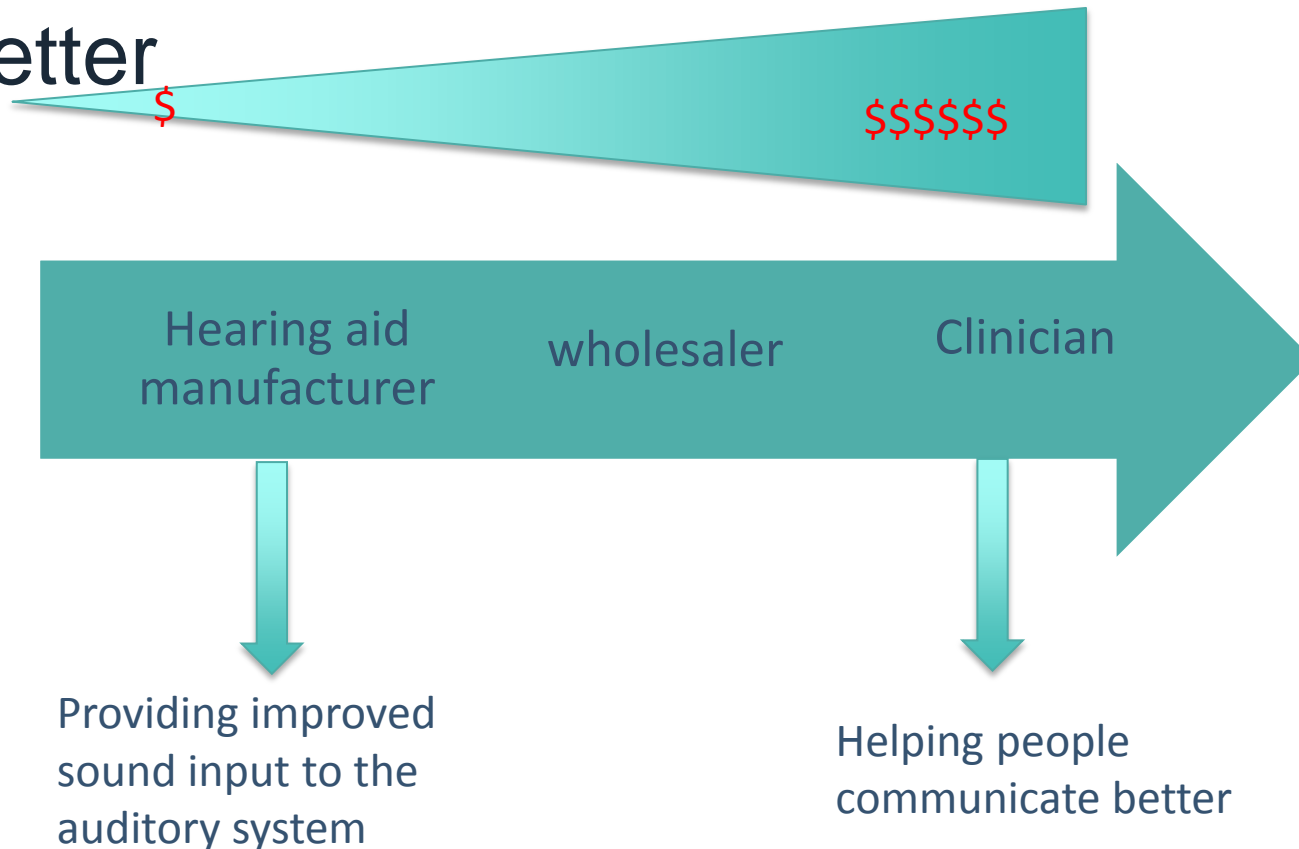
Swinburne University and Blamey Saunders
hears

Blamey
Saunders
hears



The goal

- To help people hear and communicate better



Health care today

Emerging trends

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- Health in the home
- Client/patient centred
- Personal empowerment
- Personalised health care
- More cost effective services



Hearing aids are
an important part
of accessing
hearing



An early hearing aid

King Goa of Portugal's "hearing chair" 1819



Times change – the quest for small



Overview of different types of hearing aids today

There are four main types of hearing aids

BTE with earmold



Open fit with hollow tube



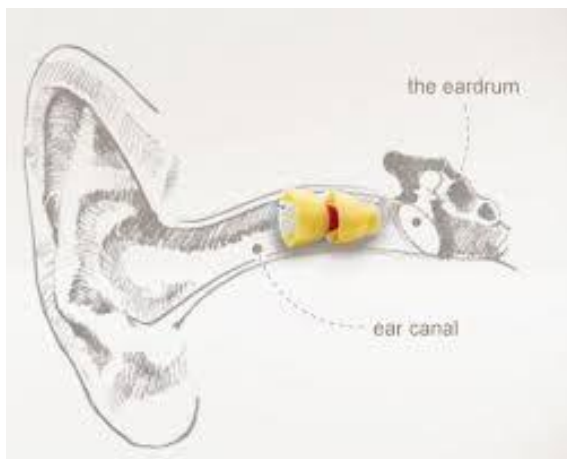
Open fit with speaker in the ear



In the ear (ITE)



And a few more types

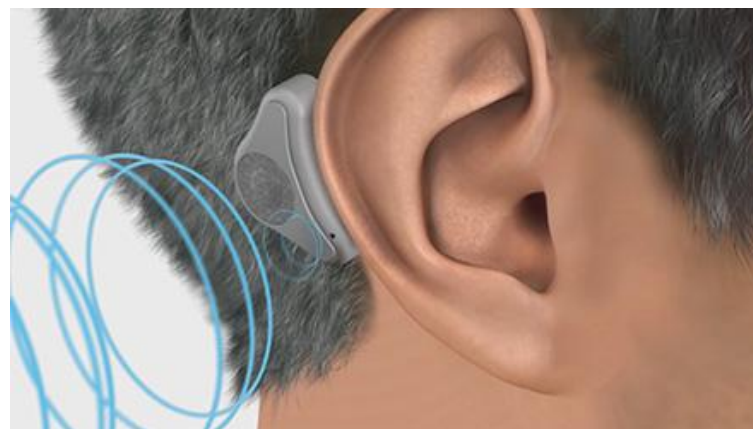


Hear again with nothing in either ear!

If you have a problem with your hearing and do not like the idea of wearing something in your ear, spectacle hearing aids could be the answer.

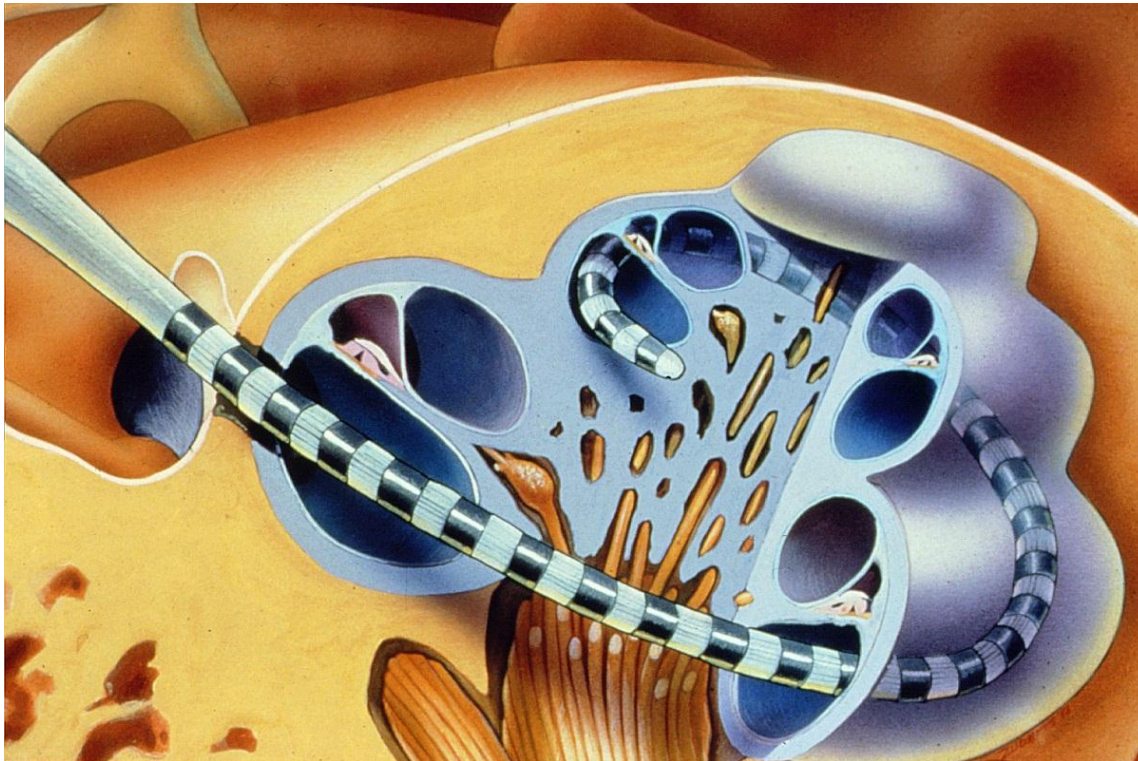
- ✓ **Discreet** - no one need know you are wearing a hearing aid
- ✓ **Dual functionality** - improve your hearing whilst correcting your vision
- ✓ Wide range of **stylish frames** available

Book a hearing test to see if
spectacle aids are an option for you ►



Very severe hearing loss is helped with a cochlear implant

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This is the full picture of hearing

Comfortable

Dynamic Range

Audible



Hearing loss

- a reduced picture of hearing

Comfortable

Dynamic Range

Audible



Hearing aids to suit you

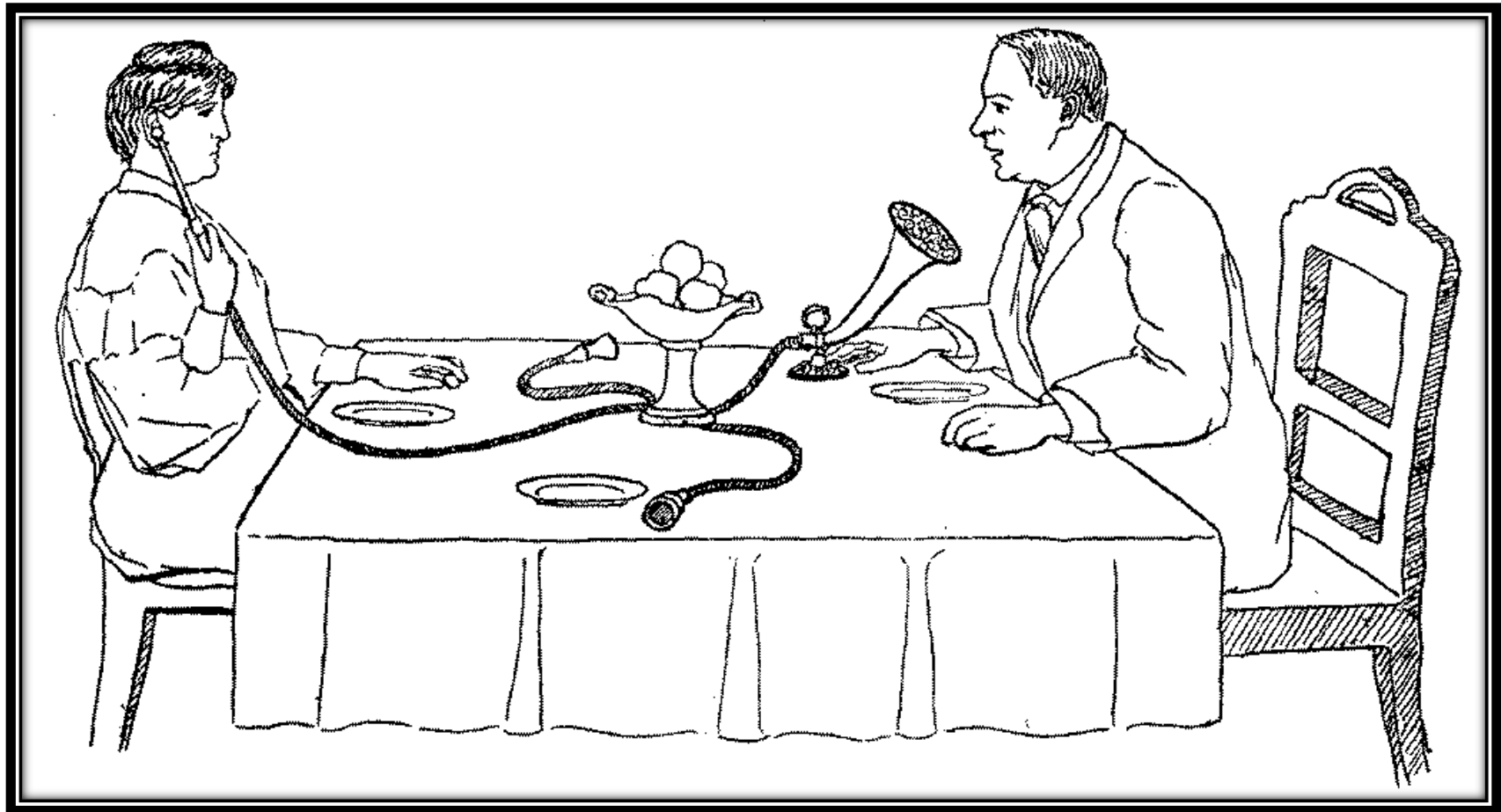


Top quality modern hearing aids have multiple microphones and a tiny computer chip in them, which engineers can program to help hear better in difficult situations

It's really all about signal to noise ratio

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Hearing Aids – The Wireless Revolution

Wireless technology is everywhere these days and ears are no exception! There have been many amazing technology advancements when it comes to hearing aids that can benefit you throughout your day.

10:00 p.m.

Pair your hearing aids with a TV to get your daily news directly through your hearing aids.



7:20 a.m.

Link up wirelessly to an ultra-compact remote to allow your hearing aids to “talk” to each other, simultaneously changing the volume with just one click.



8:15 a.m.

Stream applications like Skype from your computer or tablet directly into your hearing aid without outside noise interference.



7:37 p.m.

Many large public theaters and churches are equipped with induction loop systems. They transmit sound from microphones to any hearing aids equipped with a telecoil technology.



12:30 p.m.

At busy restaurants, place a mini microphone on the table to allow for easy conversation with minimal disruption as voices are transmitted directly through your hearing aid.



8:55 a.m.

Listen to music in vibrant stereo wirelessly from your smartphone, directly through your hearing aid.



9:07 a.m.

Use your hearing aids to listen to telephone calls in both ears. When the phone rings, the music is automatically deactivated, and the call is answered. When finished, the music resumes right where it left off.

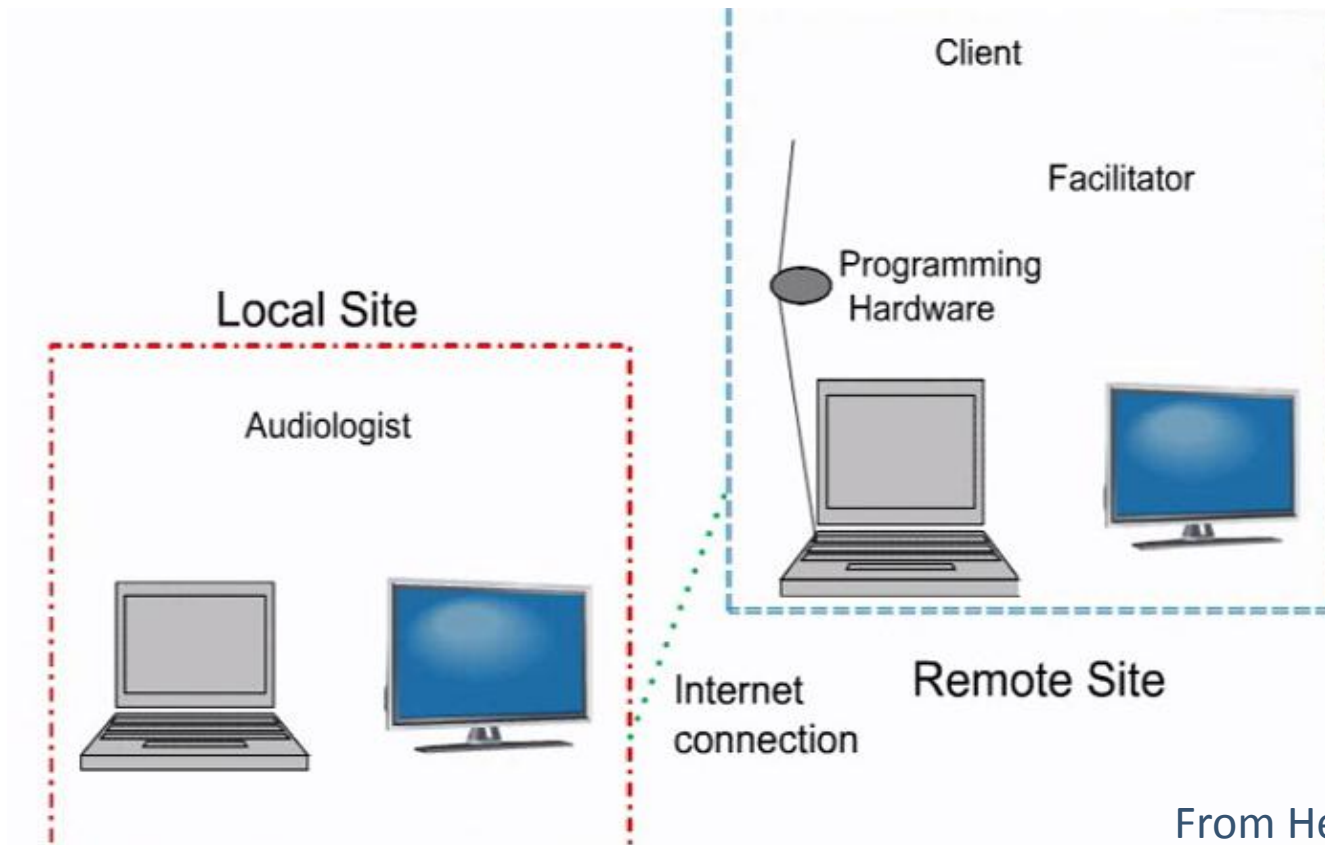


World of wireless





Remote Tele-audiology recommendations from the Hearing CRC



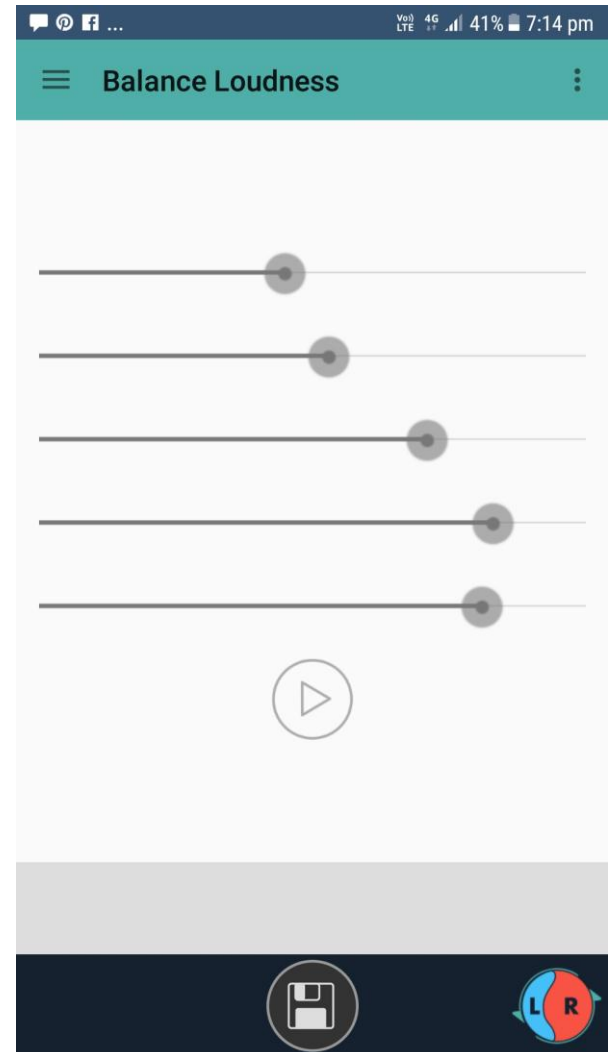
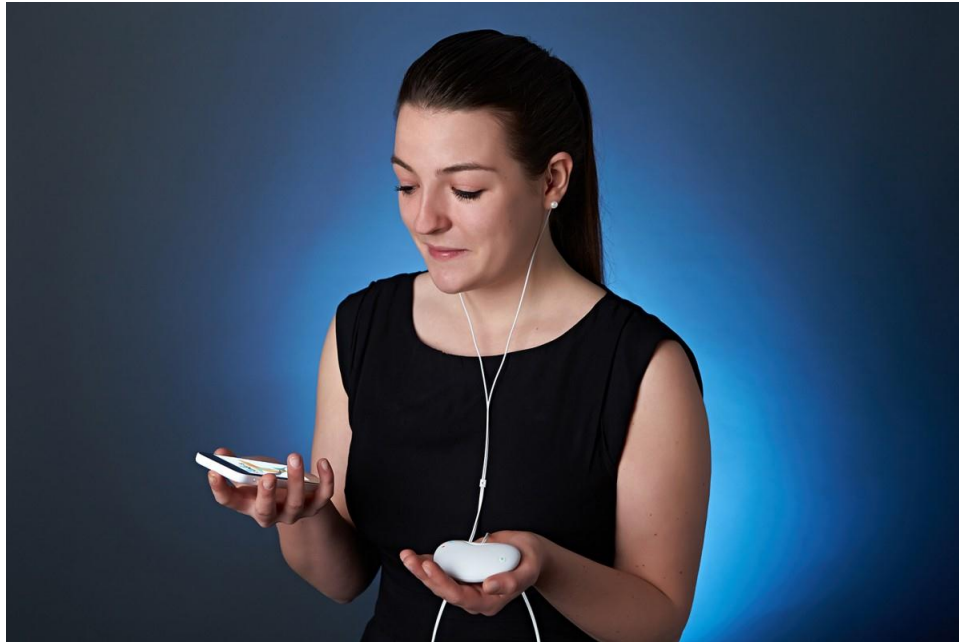
From HearNet – the
Hearing CRC

A working telehealth model



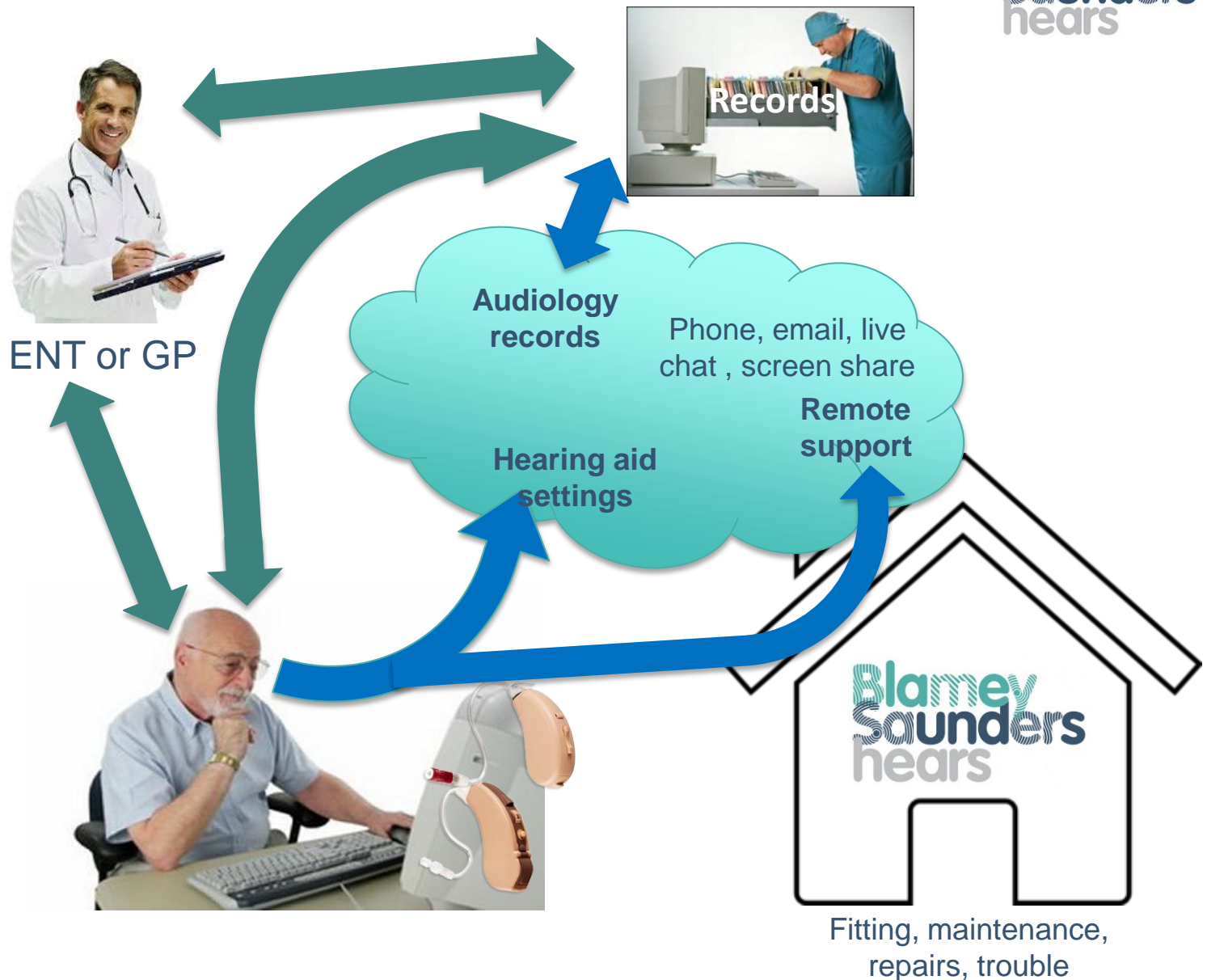
Self fit hearing aids

Programming with a mobile phone



Telehealth and the digital health system

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More self management and self fit hearing aids

More convenient telecare/teleaudiology

Lower costs

Post graduate trained audiologists involved in tertiary care only

More choices of devices and services

Easily accessible services

Better sound quality of hearing aids

Earlier uptake of hearing aids