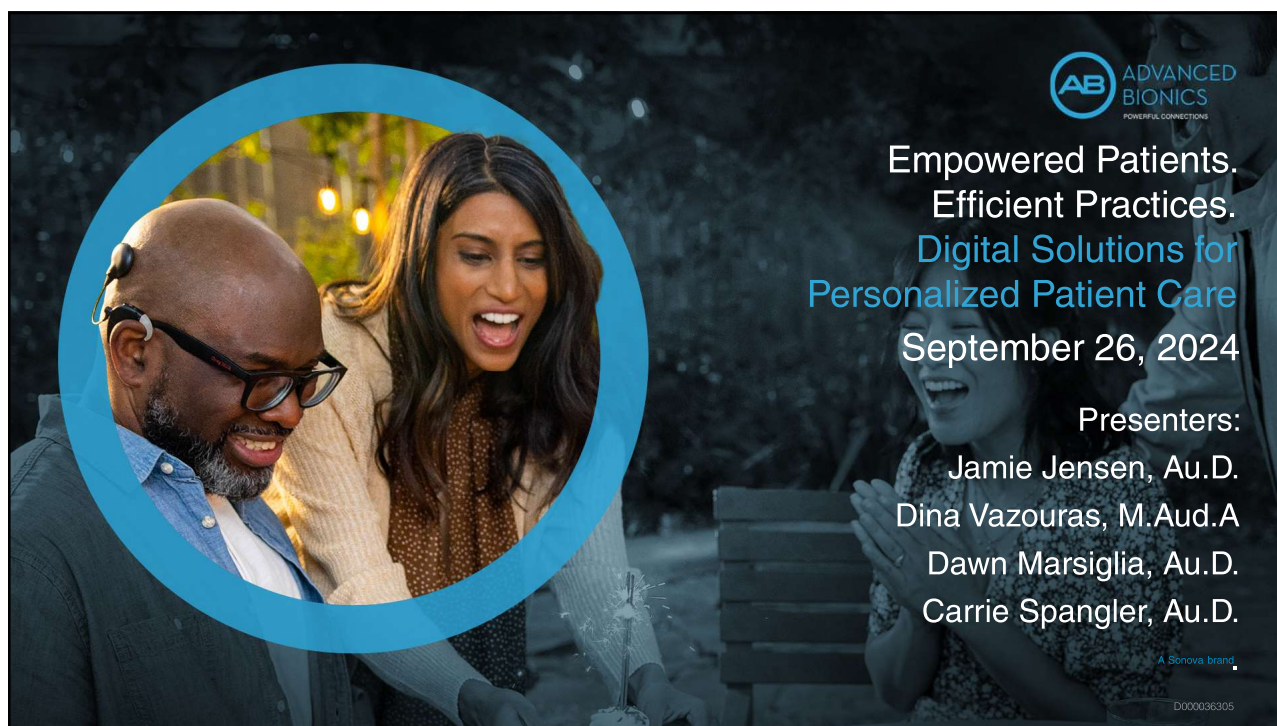




Empowered Patients. Efficient Practices.

Digital Solutions for Personalized Patient Care



Course goals and objectives

After this course, participants will be able to identify:

- one change that they could implement to improve clinical efficiency
- two benefits of using Remote Programming with AB CI recipients
- two tools and/or resources that support AB CI recipients after cochlear implantation

Empowered Patients. Efficient Practices.

Digital Solutions for Personalized Patient Care



Jamie Jensen, Au.D.

Medical College of Wisconsin

Milwaukee, WI, US



Dawn Marsiglia, Au.D.

Johns Hopkins University

Baltimore, Maryland, US



Carrie Spangler, Au.D.

Summit County Education
Service Center

Cuyahoga Falls, OH, US



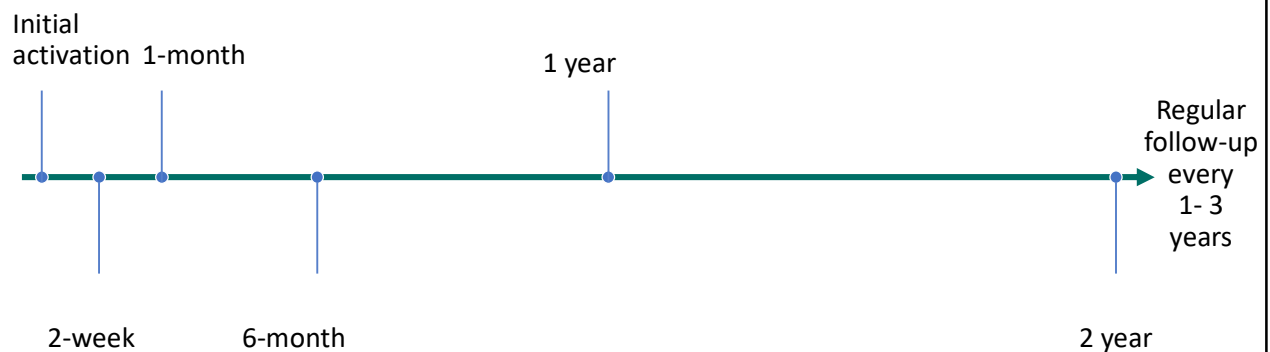
Dina Vazouras, M.Aud.A.

Hearing Implants Australia

Sydney, NSW, AU

Jamie Jensen, Dawn Marsiglia, and Carrie Spangler are consultants for Advanced Bionics, LLC. The comments provided by them are their own opinions and do not reflect the opinion of Advanced Bionics.

Our Follow-Up Protocol



Barriers to Ongoing Follow-Up



Transportation



Independence



Time



Cost

5

Study Overview

- **Goal 1:**
Determine if remote programming is an effective replacement for an in-person 2-week follow up visit.
- **Goal 2:**
Determine if both clinicians and patients are satisfied with remote programming services.

6

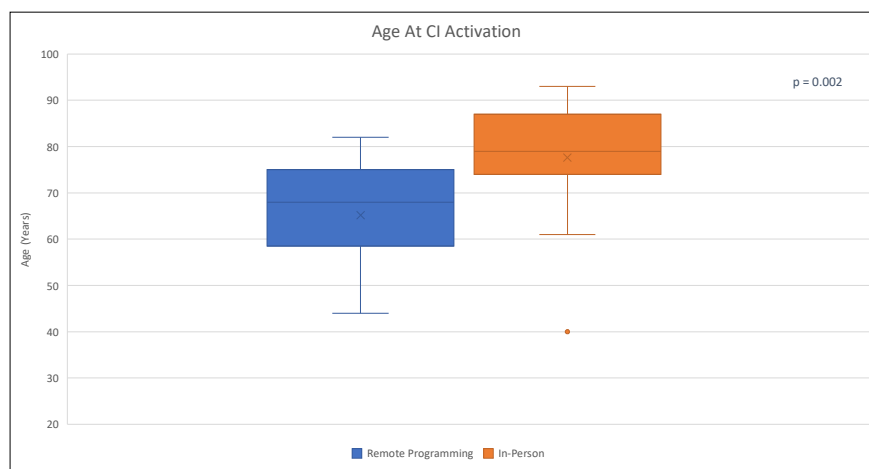
Study Overview

Remote Programming: 2 Week	In-Person Visit: 2-Week	1-Month Visit: All patients
Measure Impedances	Measure impedances	Aided audiometric testing with the CI alone
Measure Ms for all electrodes	Measure Ms for all electrodes	Speech testing with the CI alone: - CNC Words - Sentences in Quiet(AzBio or HINT) - Sentence in Noise (AzBio +8 SNR)
Additional programming adjustments if needed	Additional programming adjustments if needed	Administer Hearing Implant Sound Quality Index (HISQUI)
Counseling	Counseling	Programming Adjustments ESRT
Complete satisfaction questionnaire: patient & clinician	Aided audiogram with CI alone	
	Review Accessories	

The same programming steps were provided during Remote Programming and in-person programming sessions

7

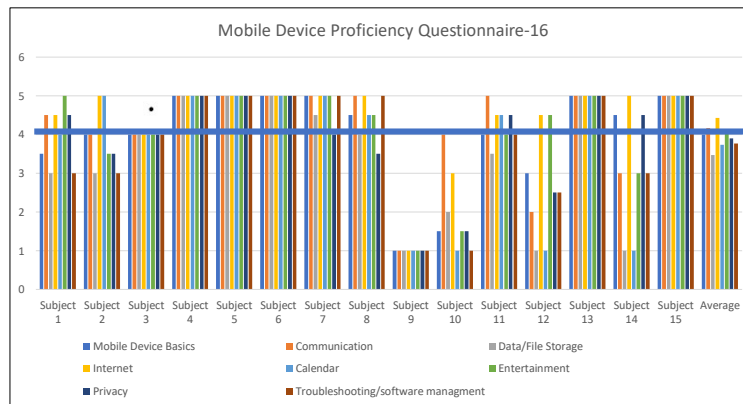
Study Results: Age



Recipients of all ages are interested in using Remote Programming!

8

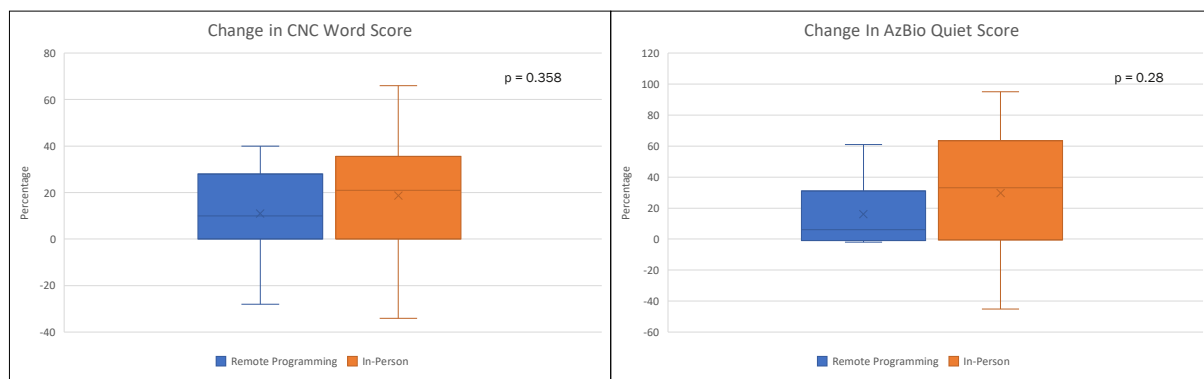
Study Results: Comfort with Technology



Not all patients were proficient with technology, but that did not impact their willingness to utilize Remote Programming.

9

Study Results: Speech Testing



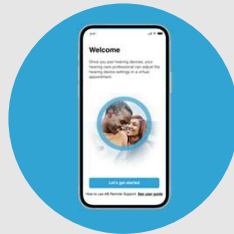
There is no significant difference in speech perception testing between the Remote Programming and In-Person Programming groups at 1-month post-activation.

10

Considerations When Scheduling



A stable internet connection



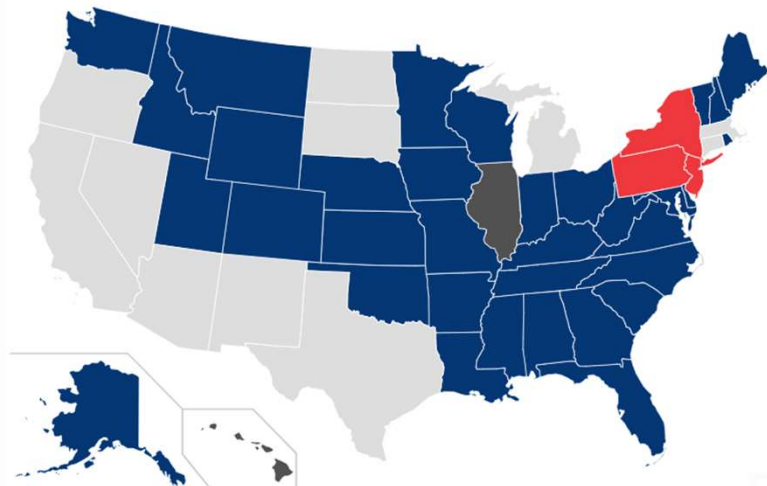
A smartphone with the
AB Remote Support app
downloaded



Marvel CI
and/or Link M

ASLP-IC

Red: Legislation Pending
Blue: Legislation Enacted
Dark Gray: Legislation Not Enacted



<https://aslpcompact.com/compact-map/>

Remote Programming Scheduling



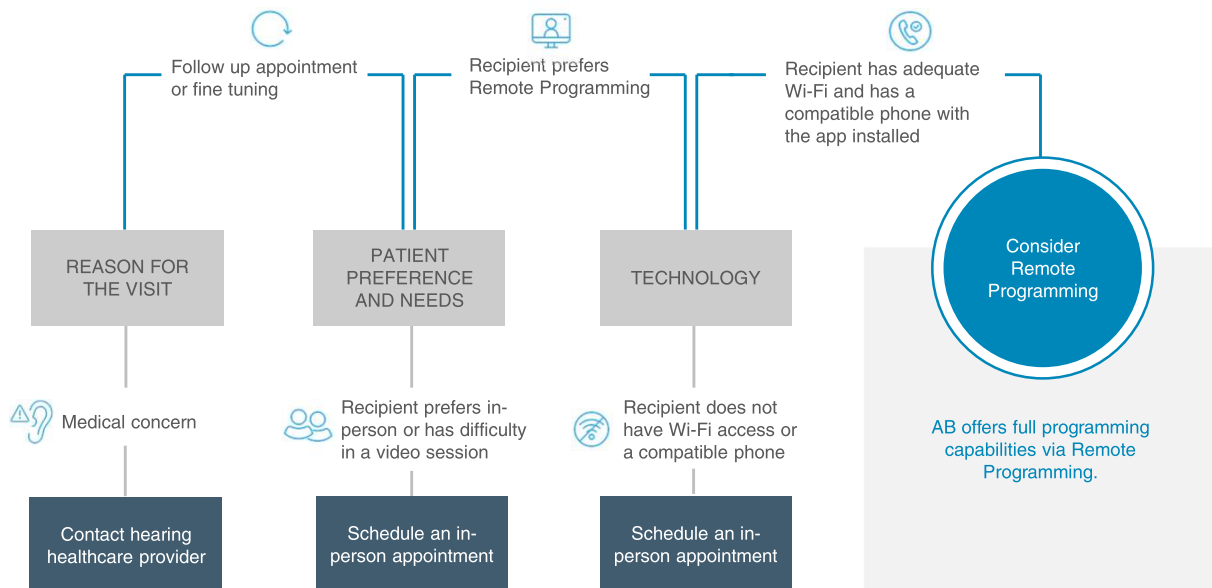
Clinician initiated



Decision tree for scheduling

13

Scheduling an In-Person Appointment or Remote Programming Appointment



When to consider remote programming



To reduce the number of in-person clinic visits



For patients who are reluctant to reduce follow-up visits



To complete documentation for insurance authorization for replacement equipment

15

When to consider remote programming



Patients who need minor adjustments



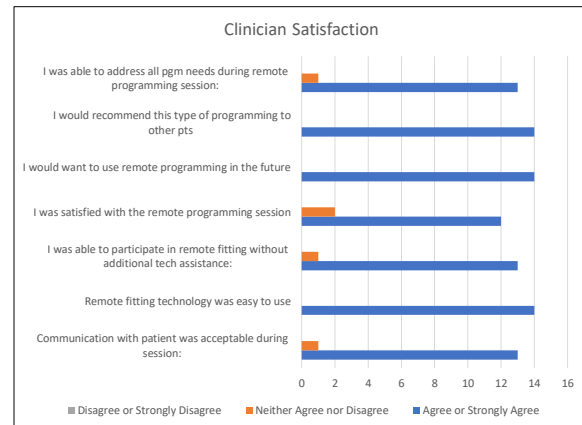
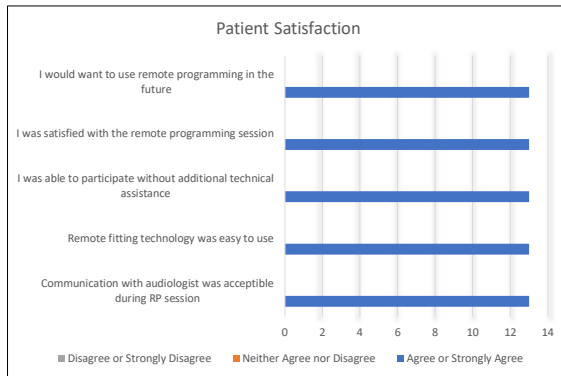
Patients who have ongoing sound quality or hearing concerns that are not easily resolved



Patients who do not have a consistent program and/or have fluctuating hearing

16

Does Remote Programming Work?



17

Our Clinic's Experience



MCW has successfully programmed a wide variety of patients with Remote Programming.



We can provide the same programming care remotely as we can during in-person appointments and can bill for AB's Remote Programming

18



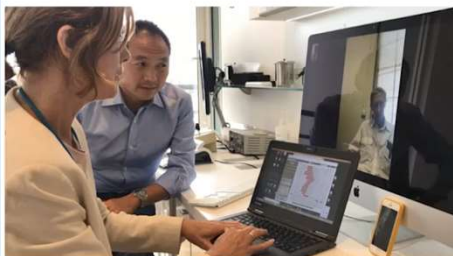
HEARING IMPLANTS AUSTRALIA



Synchronous vs Asynchronous

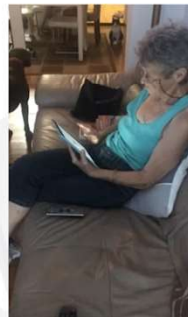
SYNCHRONOUS

Mapping is performed remotely in real time with their audiologist and surgeon



ASYNCHRONOUS

Mapping is uploaded to the cloud by the audiologist and the patient accesses it later



Dina Vazouras
Hearing Implants Australia

*Based on my opinions, hospital protocols and clinical experience. Information may not be representative of all patients (or physician/HCP) outcomes.



Advanced Bionics Remote Care

- No limitations for mapping
- Impedances, neural telemetry and all programming can be completed remotely
- Synchronous fitting, no delay between mapping
- Uninterrupted care for patients despite location and lifestyle



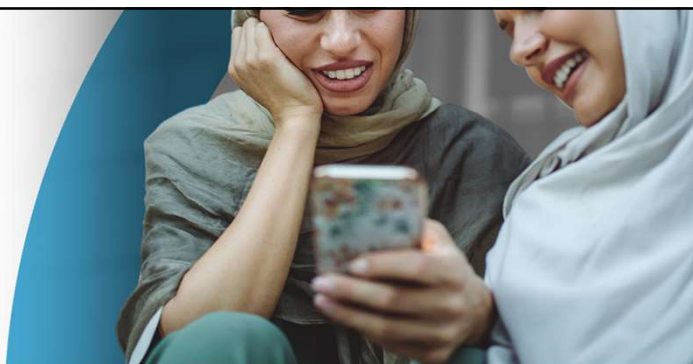
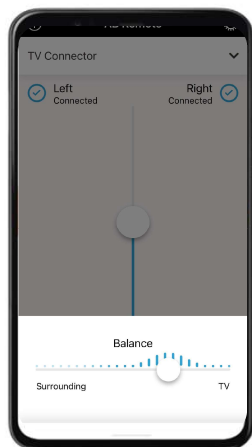
Dina Vazouras
Hearing Implants Australia

*Based on my opinions, hospital protocols and clinical experience. Information may not be representative of all patients (or physician/HCP) outcomes.





AB Remote mobile app





Online Portals



AB Pro Portal

Advanced Bionics is proud to announce the launch of our new Pro Portal!



As part of our ongoing commitment to creating outstanding online experiences for Hearing Health Professionals, the new Pro Portal combines familiar favorite services with a number of new features. Your time is important. So, we've made it faster and easier for you to interact with us.

One login lets you:

- Search for Patients View their devices and warranty status
- Manage your center's staff AB Pro Portal accounts
- Register processors and accessories
- Link to important AB websites and resources
- Check the insurance status of your patients
- Manage returns with Processor Direct & Processor Direct Express

ADVANCED BIONICS

My AB Online

[My Devices](#)
[Resources](#)
[Shop](#)
[My Account](#)

Consumer Portal

Welcome

Advanced Bionics is proud to welcome you to myAB Online. Whether you need detailed help on how to use your hearing devices, information on Insurance Status, a list of events in your area, or to shop for an accessory for your device, you can find it all here.

Need help with your device, rehab or just new to Marvel CI?

Connect with the AB Success Team, a dedicated team of skilled professionals there to support you.

[Book your appointment today](#)

Discover a Community that Understands



HEARINGJOURNEY.
The #1 online cochlear implant community

Join HearingJourney™ Today

Are you or a loved one dealing with hearing loss? Your story matters, and you're not alone. Join the HearingJourney™ online forum, the premier place to chat, laugh, learn, and share experiences about cochlear implants and hearing loss.

Why Join HearingJourney™?

- **Connect with Others:** Engage with cochlear implant recipients, people considering implants, and their families.
- **Learn Together:** Access valuable resources and insights to help you on your hearing journey.
- **Share Your Story:** Find others who understand your unique experience.

LIVE CHAT
every
Thursday
from
7 – 10 PM
Pacific

Thank you!

Please complete a short survey on today's training session.



<https://forms.office.com/e/EbCfvSn13z>

Empowered Patients. Efficient Practices.



Cracking Coding and Reimbursement in the US

Tuesday, October 1st
9 AM – 10 AM Pacific



Andrea Overton, Au.D.



Lindsey VanLooy, Au.D.