

Phonak's RIC Portfolio: A solution for every need

Aly Hoffman, ScD

Webinar FAQs

- How to ask a question:
 - Click Q&A, type your question and Send.
- Where to get the handout:
 - Download from Pending Courses
 - Or Click on link from Chat
- How to view captions:
 - Click Live Transcript CC button
 - Click Show Subtitle
- How to earn CEUs:
 - After the webinar, go to your Pending Courses and pass the multiple-choice exam.
- For assistance or tech support:
 - Call 800-753-2160
 - customerservice@audiologyonline.com
 - Use the Q&A window

Phonak's RIC Portfolio: A solution for every need

Aly Hoffman, ScD



Presenter disclosures

- Financial: I am employed by Phonak.
- Non-financial: I have no relevant non-financial relationships to disclose.



Learning Objectives

After this course, participants will be able to

1. list the RIC solutions in the Phonak portfolio
2. list acoustic coupling options for RICs
3. describe when to offer one RIC over another

Proven innovation that delivers benefit to your patients



2013
Roger

World's
first



2018
Marvel we introduced
Made-for-All
Bluetooth connectivity

World's
first



2020
Paradise with Speech
Enhancer, Dynamic
Noise Cancellation
and Motion Sensor
Hearing



2021
ActiveVent™
Receiver

World's
first



2022
Lumity with Phonak
SmartSpeech™
Technology



RIC Portfolio

Rechargeable



Audéo L-RL Audéo L-R Audéo L-RT Phonak Slim



Audéo Fit

Zinc-Air



Audéo P-312 Audéo P-13T

Audeo Lumity Portfolio



Audéo L-R



Audéo L-RT



New

Charger Ease

Compatible with Audéo L-R & RT



Audéo L-RL Life



Charger Case Go™

Compatible with Audéo L-RL

 Rechargeable Only



Sand
Beige



Beige



Sandalwood



Chestnut



Champagne



Silver
Gray



Graphite
Gray



Velvet
Black

Lumity portfolio

Audéo Lumity



R

RT

Life



LR

Slim



Apps



MyPhonak



MyRoger Mic

Roger™ microphones

Roger On



Roger Table Mic II



Roger Select



roger

Phonak chargers



Phonak Charger Ease



Phonak Charger Case Go™



Phonak Life Charger



Phonak Slim Charger

Compatible with existing receivers





Audéo
L-R

Audéo
L-RT

Audéo
L-Life

Phonak
Slim L-R



Audéo
P-13T

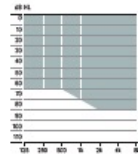
Audéo
P-312



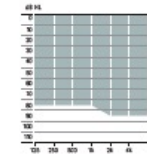
Audéo
P-Fit

Phonak
e is on

Standard (S)
47/111 (2cc)



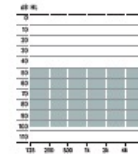
Medium (M)
51/114 (2cc)



Power (P)
59/122 (2cc)



UltraPower (UP)*
71/132 (2cc)
cShell only



Cap Dome



Open Dome



Vented Dome



Power Dome



SlimTip
Acrylic



SlimTip
Silicone

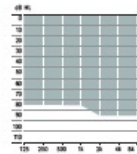


cShell*



cShell
Titanium*

ActiveVent (MAV)
50/119 (2cc)



Universal SlimTip AV
Sizes A, B, C and D



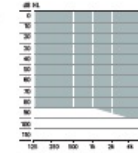
SlimTip
Titanium AV

*Not compatible with Slim

Sensor Receiver (M)
51/114 (2cc)



Sensor Receiver (P)
59/122 (2cc)
cShell only



Cap Dome



Open Dome



Clear Vented
Dome



Sensor
cShell

Made for All connectivity



Universal connectivity



8 Bluetooth® pairings



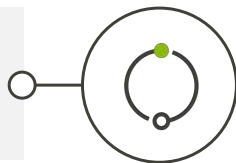
2 active
connections

AutoSense OS™ 5.0

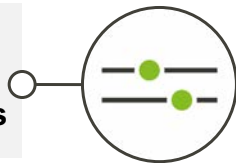
Developed with
A.I. based
machine learning



Scans the environment
700 times
per second



200+
unique setting combinations

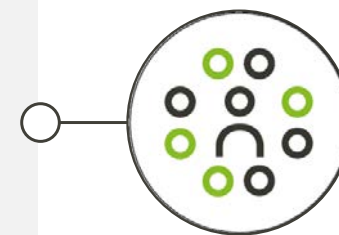


Speech understanding
features
and comfort



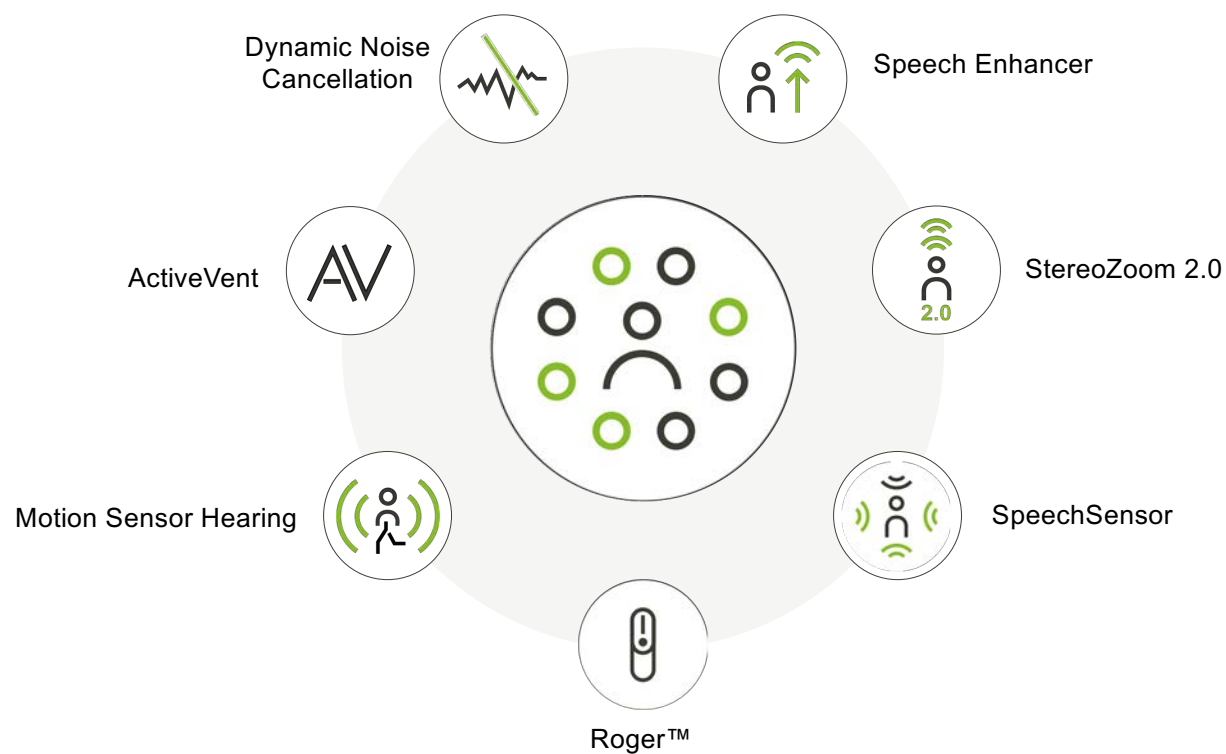
Introducing

**SmartSpeech
Technology**
for improved speech
understanding^{1,2,3,4}

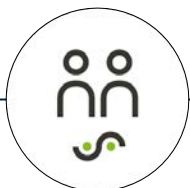


1. Appleton, J. (2020) AutoSense OS 4.0 - significantly less listening effort and preferred for speech intelligibility. Phonak Field Study News retrieved from www.phonakpro.com/evidence, accessed August, 2022.
2. Latzel, M. & Hobi, S. (2022) Receiver with mechanical vent provides benefit of open and closed acoustics for better speech understanding in noise and naturalness of own voice perception. Accessed August 2022
3. Thibodeau L. M. (2020) Benefits in Speech Recognition in Noise with Remote Wireless Microphones in Group Settings. Journal of the American Academy of Audiology, 31(6), 404–411.
4. Woodward, J and Latzel, M (2022) New implementation of directional beamforming configurations show improved speech understanding and reduced listening effort. Phonak Field Study News in preparation. Expected end of 2022.

Phonak SmartSpeech™ Technology



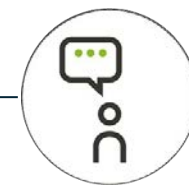
New data! – SpeechEnhancer benefits



Provides **23% better speech intelligibility** for speech from a distance in quiet*



Provides **18% better speech intelligibility** for speech from an adjacent room**



Reduces listening effort by up to 20% for communication from a distance***

*speech in quiet environment at 4 m/13.1 ft

**speech in a quiet environment without visual cues at 4 m/13.1 ft

***speech in a quiet environment at 2,4 and 8 meters/6.5, 13.1, 26.2 ft

Latzel, M., Lesimple, C., & Woodward, J. (2023). Speech Enhancer significantly reduces listening effort and increases intelligibility for speech at a distance. *Phonak Field Study News*. Retrieved from www.phonak.com/evidence.

SmartSpeech Technology for everyone

SmartSpeech Technology	 ActiveVent	 UltraZoom	 RogerDirect with Roger microphones	 Motion Sensor Hearing	 Dynamic Noise Cancellation	 StereoZoom 2.0 New	 SpeechSensor New	 Speech Enhancer
Premium (90)	 Auto					 Auto	 Auto	
Advanced (70)	 Manual				 New	 Manual		
Standard (50)	 Manual							
Essential (30)	 Manual							



Audéo Life

PHONAK
life is on

Waterproof and
sweatproof**

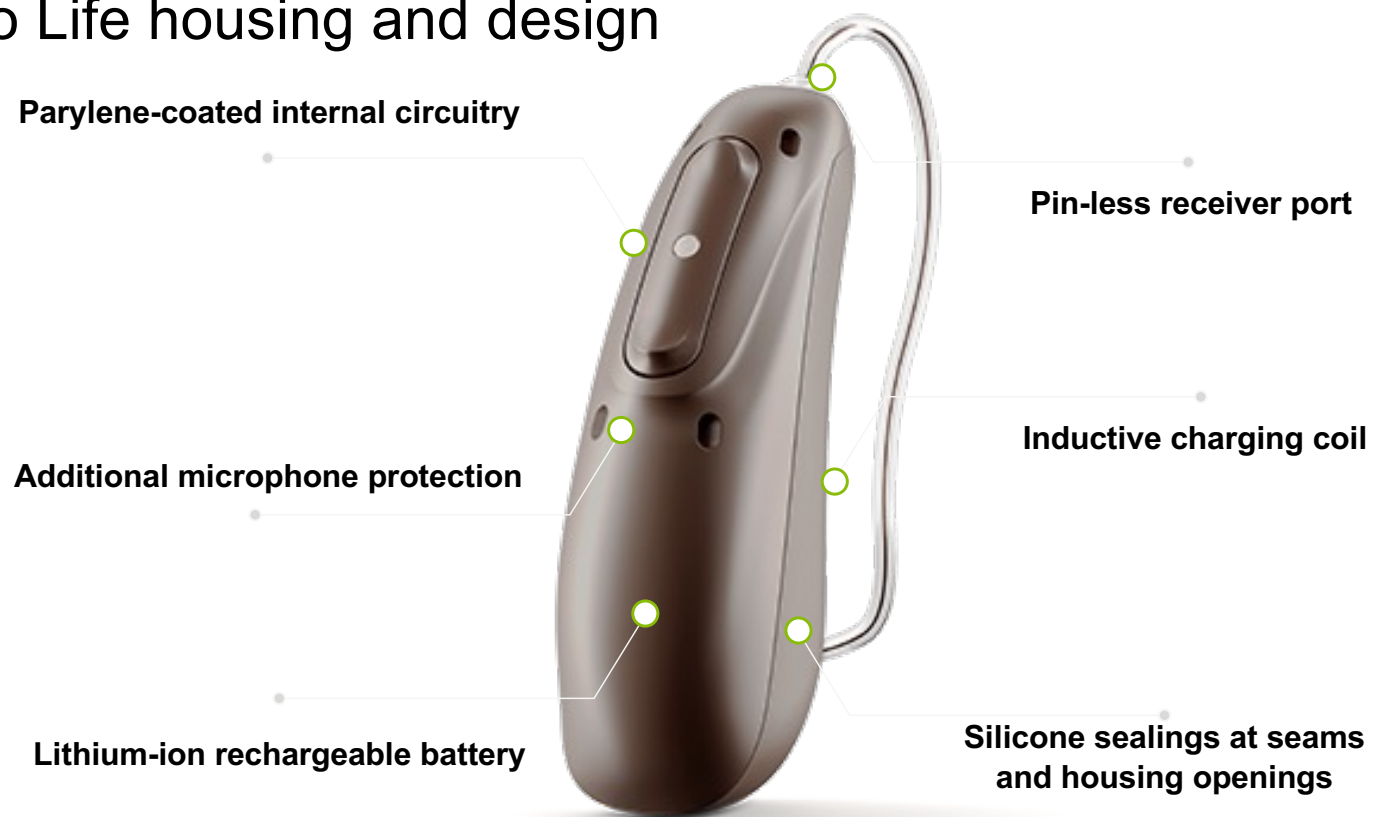
Universal connectivity

Track steps

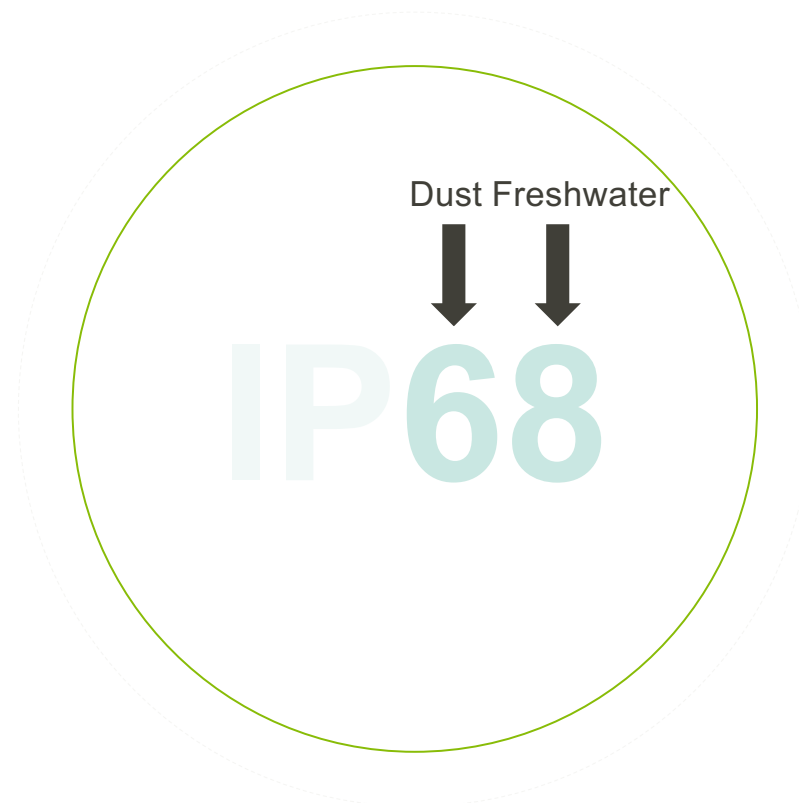
Rechargeable



Audéo Life housing and design



What is an IP rating?



Immersion testing

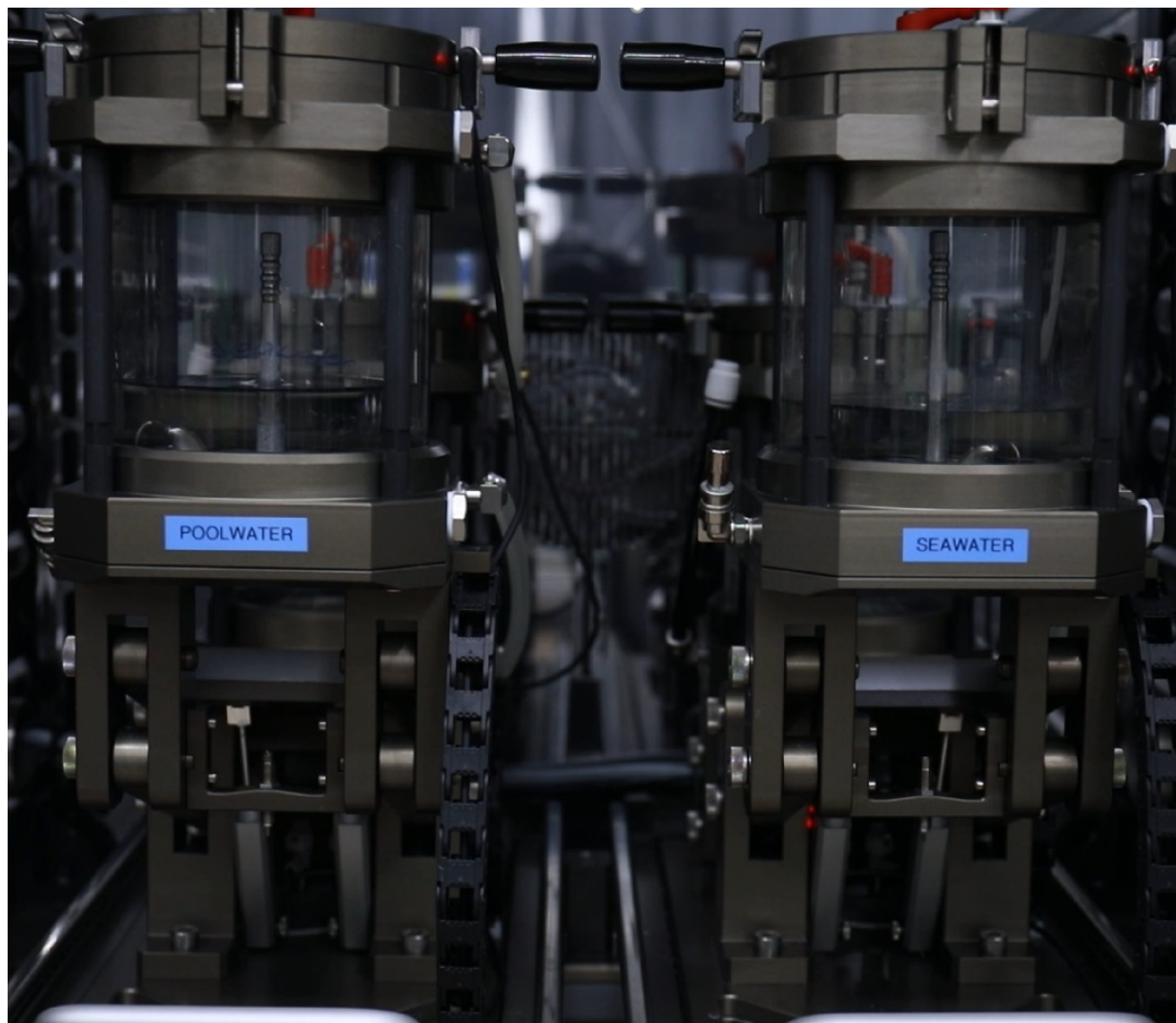
5 min: 50 mbar pressure

10 min: High humidity storage

... for 520 cycles

Simulates:

2 swims/immersions per week for 5 years



Sweat testing

30 min: Sweat spray

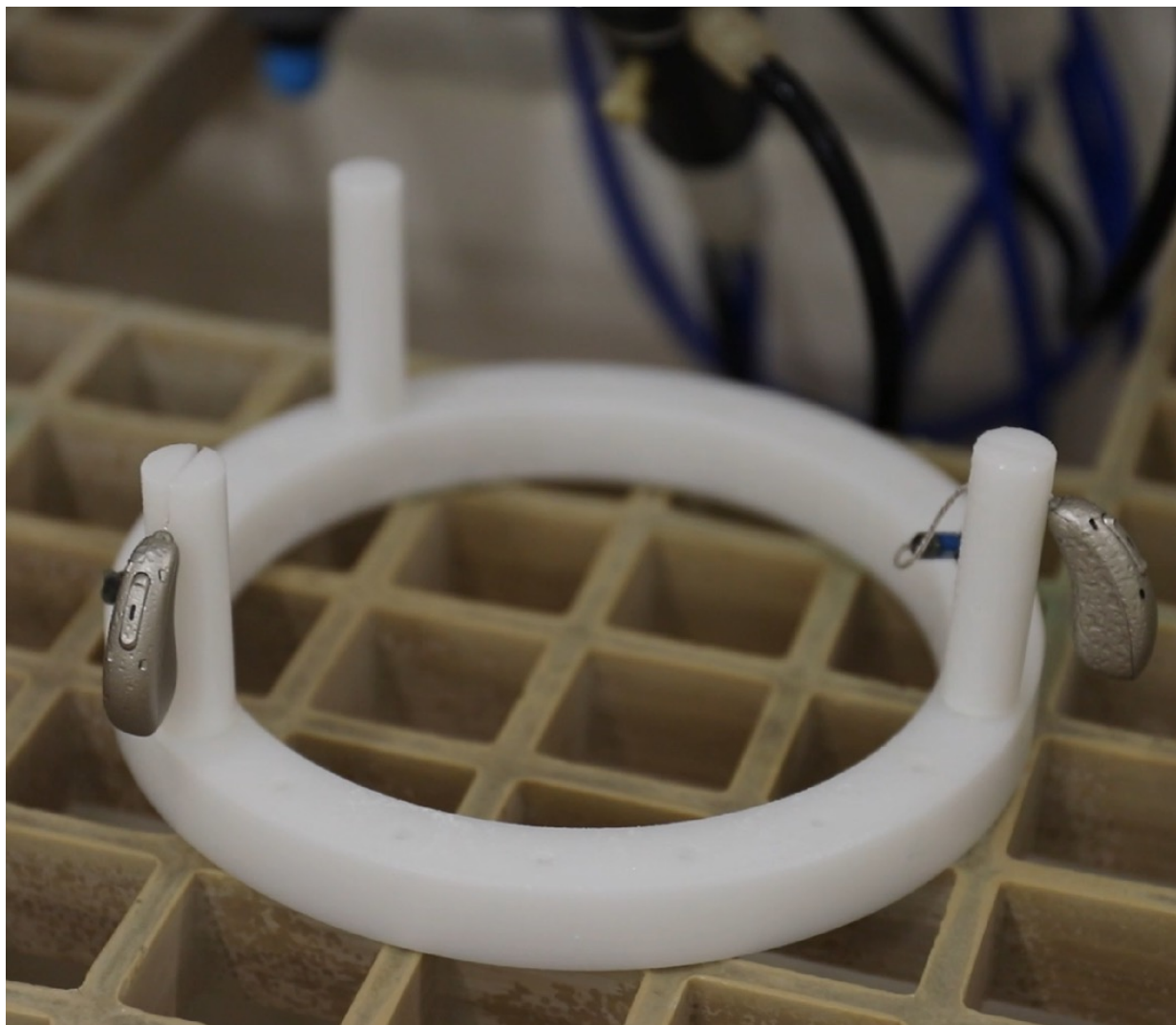
4.5 hrs: Drying

19 hrs: High humidity storage

... for 20 cycles

Simulates:

**2 workouts a week
for 5 years**



Audéo Life vs. IP68



	Audéo L-RL	IP68-only hearing aid
Water-resistant at 1 m for 1 hour	Yes (IP68)	Yes (IP68)
Waterproof at 50 cm	Yes	No
Freshwater tests	Yes	Yes
Pool water tests	Yes	No
Salt water tests	Yes	No
Sweat tests	Yes	No

New Data! Life in the Audéo in the real world

Clinical Investigation Plan	Visit 1 (Day 1)	Visit 2 (Day 45)	Visit 3 (Day 90)
Audiogram	x		
ANSI electroacoustic Text Box Measurements	x	x	x
Fitting of hearing aids, including feedback thresholds, pairing to cell phone	x		
Speech Mapping	x		
First Comments		x	x
In Lab comparison between Charger Case Go and the Charger Case Combi	x		
Review Homework: Charge aids with on-board charge for 4 consecutive nights		x	

Table 1. Clinical investigation plan showing the procedures carried out at each of the three clinical visits.

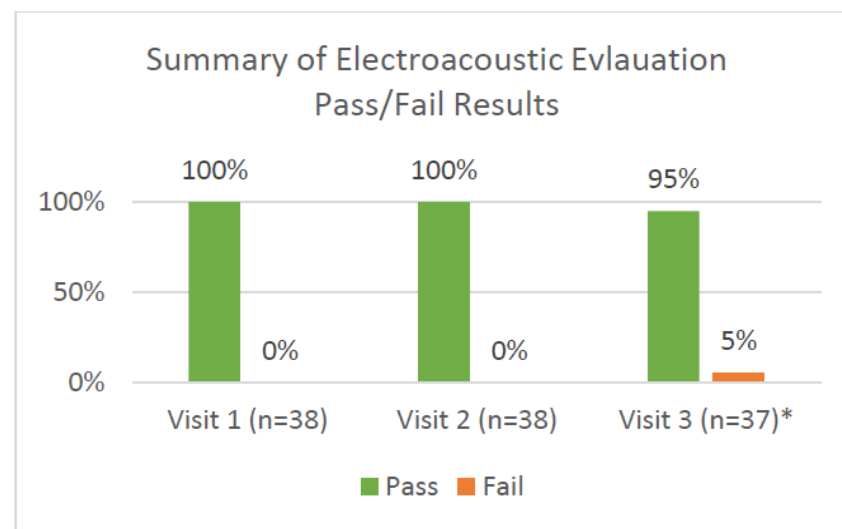


Figure 2. Summary of the electroacoustic evaluation tests per Visit. * There was one less hearing aid tested at Visit 3 than at Visit 2 due to hearing aid loss.

Miller, A.F. (2022). A 90-day journey into the performance of Phonak Audéo Life. *Phonak Field Study News*. Retrieved from <https://www.phonak.com/en-us/professionals/audiology-hub/evidence-library>.

New Data! Audéo Life in the real world

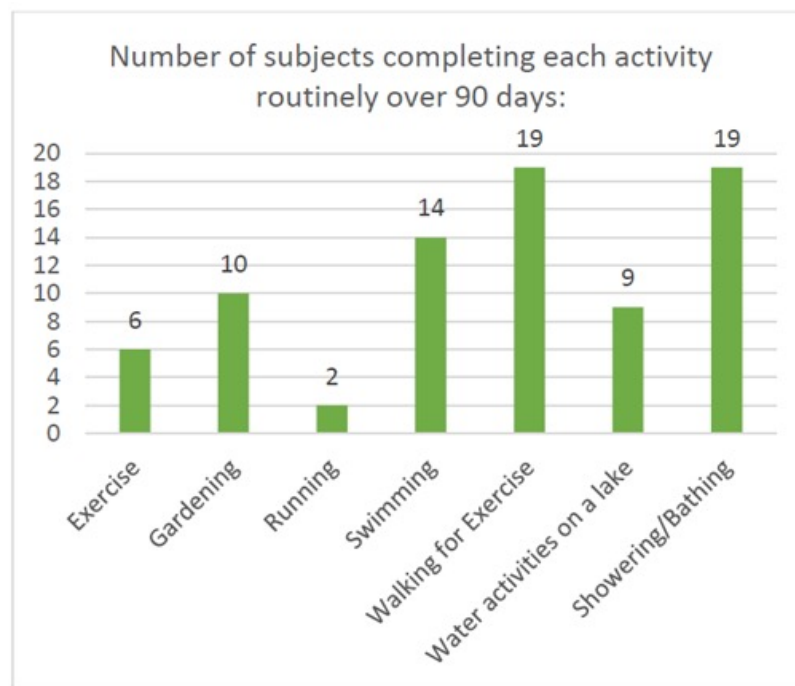


Figure 3. Activities conducted by participants. (n= 19 total participants).

Miller, A.F. (2022). A 90-day journey into the performance of Phonak Audéo Life. *Phonak Field Study News*. Retrieved from <https://www.phonak.com/en-us/professionals/audiology-hub/evidence-library>.

Anecdotal findings

Felt so calm and less stressed. Really felt these are the best hearing aids she ever used in a study or ever. When asked “Is it because of sound quality or the low stress of worrying about wearing them in pool, etc.?”, participant answered “I think both.”

Marathon runner. Ran during all training runs and the actual marathon. Devices worked great. Streaming was consistent and even when sweaty/wet the performance did not decline that he was aware of. Sounded great. Previously, took out hearing aids and put in earbuds but when they would get sweaty, music was crackly, and the buds were uncomfortable. These were fine.

Overall, she liked that she could completely **FORGET** about the hearing aids.



AutoSense DS 5.0	90 Premium
	Comfort in Echo
	Speech in Car
	Speech in Loud Noise
	Music
	Comfort in Noise
	Speech in Noise
	Calm Situation
	Streaming Speech
	Streaming Music
SmartSpeech Technology	ActiveVent™ Performance +*
	Dynamic Noise Cancellation
	Speech Enhancer
	SpeechSensor
	StereoZoom 2.0
	Motion Sensor Hearing
	UltraZoom
	Roger™ Technology
	Comfort in Echo (manual)
	Speech in Loud Noise (manual)
	Speech in 360° (manual)
	EchoBlock
	WindBlock
	SoundRelax
	DuoPhone
	Real Ear Sound
	SoundRecover2
	WhistleBlock
	Tinnitus Balance
	20 Channels

70 Advanced
Music
Comfort in Noise
Speech in Noise
Calm Situation
Streaming Speech
Streaming Music
ActiveVent Performance +*
Dynamic Noise Cancellation
StereoZoom 2.0
Motion Sensor Hearing
UltraZoom
Roger Technology
Speech in Loud Noise (manual)
Speech in 360° (manual)
WindBlock
SoundRelax
DuoPhone
Real Ear Sound
SoundRecover2
WhistleBlock
Tinnitus Balance
20 Channels

50 Standard
Comfort in Noise
Speech in Noise
Calm Situation
Streaming Speech
Streaming Music
ActiveVent Performance +*
Motion Sensor Hearing
UltraZoom
Roger Technology
WindBlock
DuoPhone
Real Ear Sound
SoundRecover2
WhistleBlock
Tinnitus Balance
16 Channels

30 Essential
Speech in Noise
Calm Situation
Streaming Speech
Streaming Music
ActiveVent Performance +*
UltraZoom
Roger Technology
WindBlock
SoundRecover2
WhistleBlock
Tinnitus Balance
12 Channels

Enjoy easier hearing in a variety of situations^{1,2,3} with Phonak SmartSpeech™ Technology in all levels of Lumity



All levels of Phonak Lumity include:



Universal connectivity



Rechargeability



Compatibility with the myPhonak app



Compatibility with Roger and Phonak wireless accessories

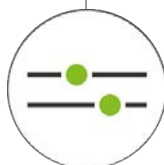
Unique. Elegant. Connected. With Phonak Slim



Unique style and individual personality



Sleek and appealing design



Address a wider range of patient needs



Color range

2-tone housing in 4 colors



Silver/Black



Sandalwood/Black



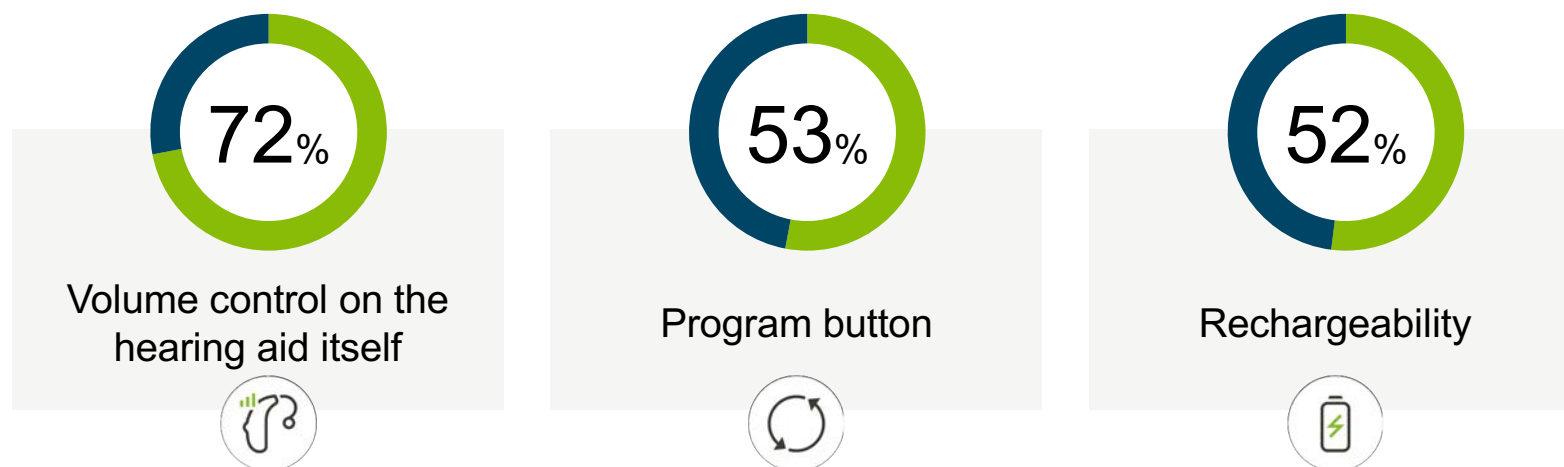
Copper/Black



Graphite/Black

What patients are familiar with

Top 3 features purchasers of hearing aids recognize:



Multifunction button configuration



Push button

Allows volume and program change

Volume Down
Left Slim

Volume Up
Right Slim





Phonak Slim and Slim Charger

- Uniquely shaped
- Ear-specific design
- Comfortable
- Ease of charging

Phonak Slim technology overview

Performance
levels

90

70

Trial

Receiver

S

M

P

MAV

Dome



Cap dome



Open dome



Vented dome



Power dome



Titanium AV

SlimTip



Acrylic



Silicone



Universal AV

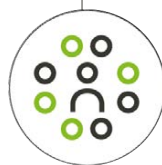
Unique. Elegant. Connected. With Phonak Slim



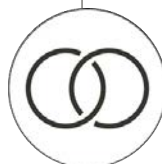
Appleton, J. (2020) AutoSense OS 4.0 - significantly less listening effort and preferred for speech intelligibility. Phonak Field Study News. retrieved from www.phonak.com/evidence.
Latzel, M., Lesimple, C., & Woodward, J. (2022). New implementation of directional beamforming configurations show improved speech understanding and reduced listening effort. Phonak Field Study News. retrieved from www.phonak.com/evidence.
Latzel, M., Lesimple, C., & Woodward, J. (2023). Speech Enhancer significantly reduces listening effort and increases intelligibility for speech from a distance. Phonak Field Study News. retrieved from www.phonak.com/evidence.



Lifestyle and comfort of the **modern** hearing aid user in mind.

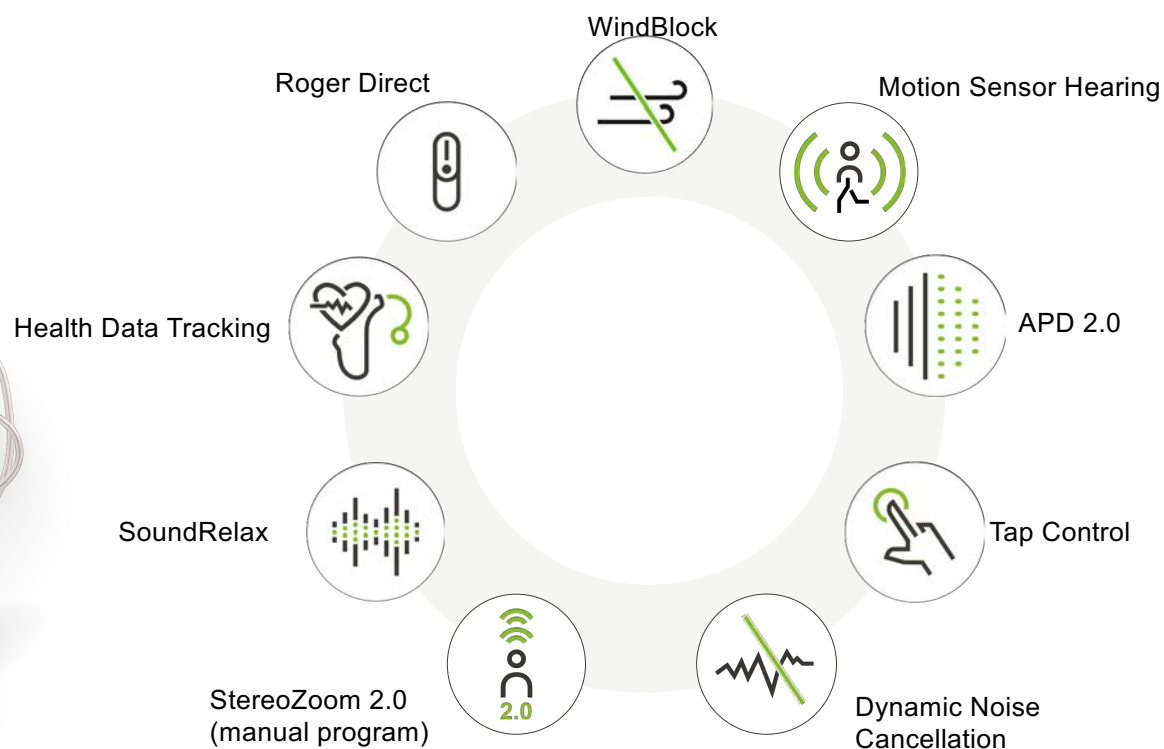


Latest Lumity platform, your patients can experience **improved speech understanding**¹

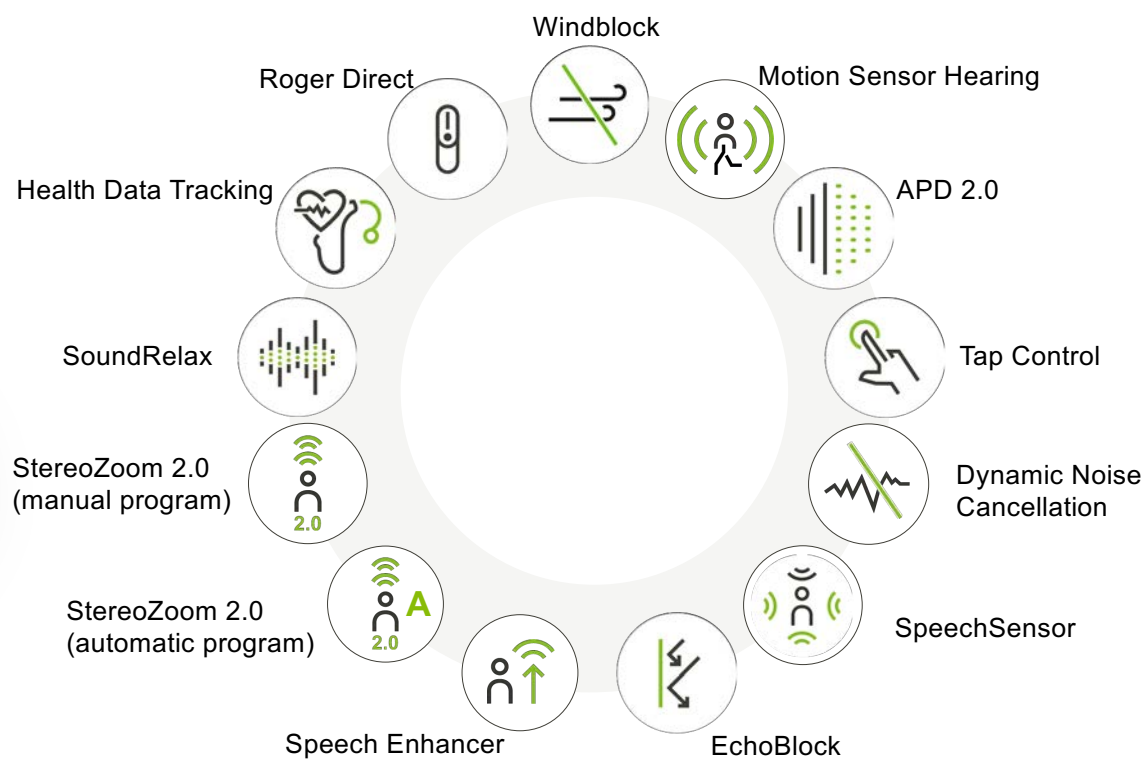


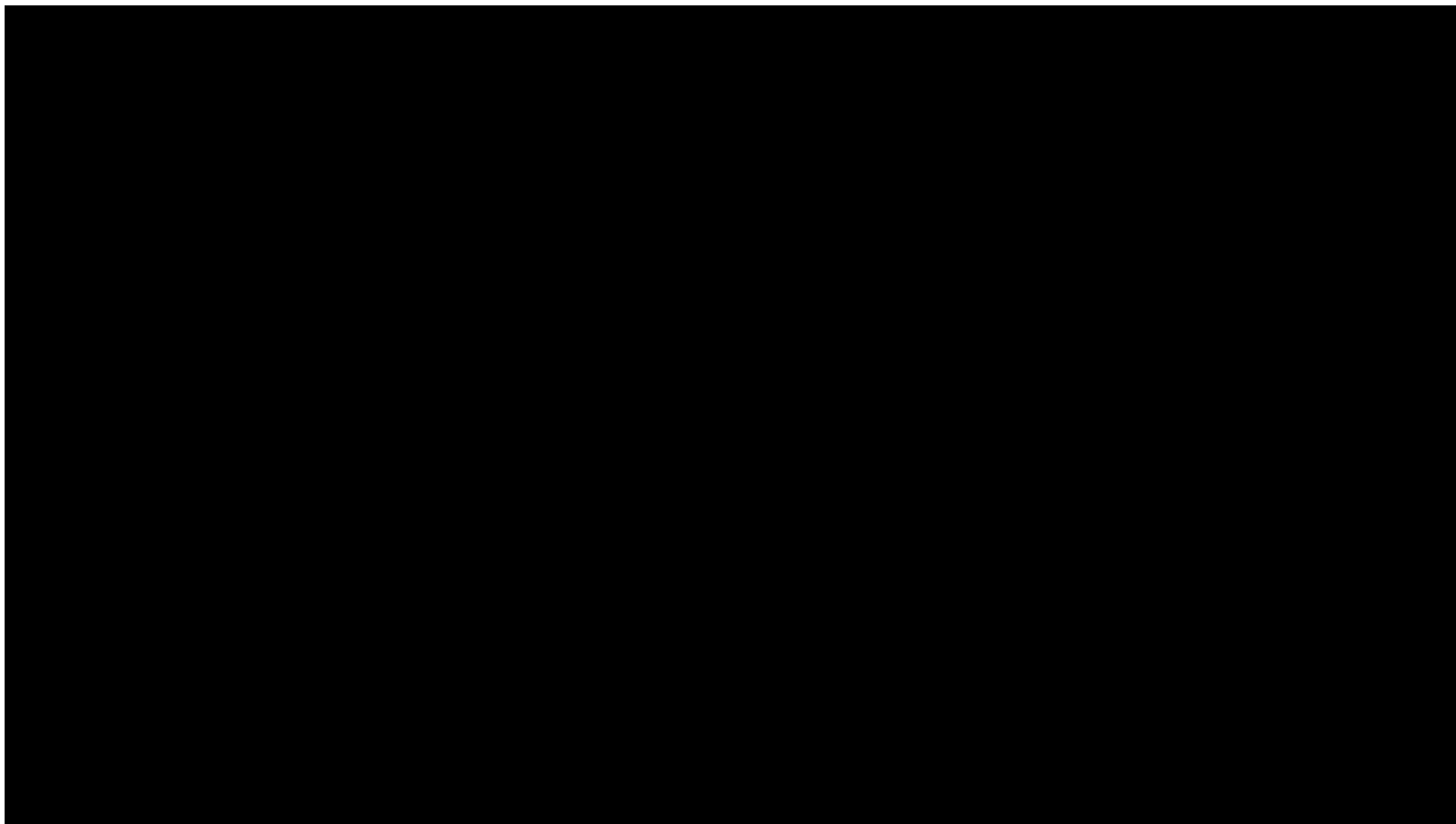
Universal connectivity

Performance levels



Performance levels





Phonak Audéo Fit & myPhonak app



Our first hearing aid with in-ear heart rate sensors

Patient Benefits



Empowers you to **track and engage with your health**

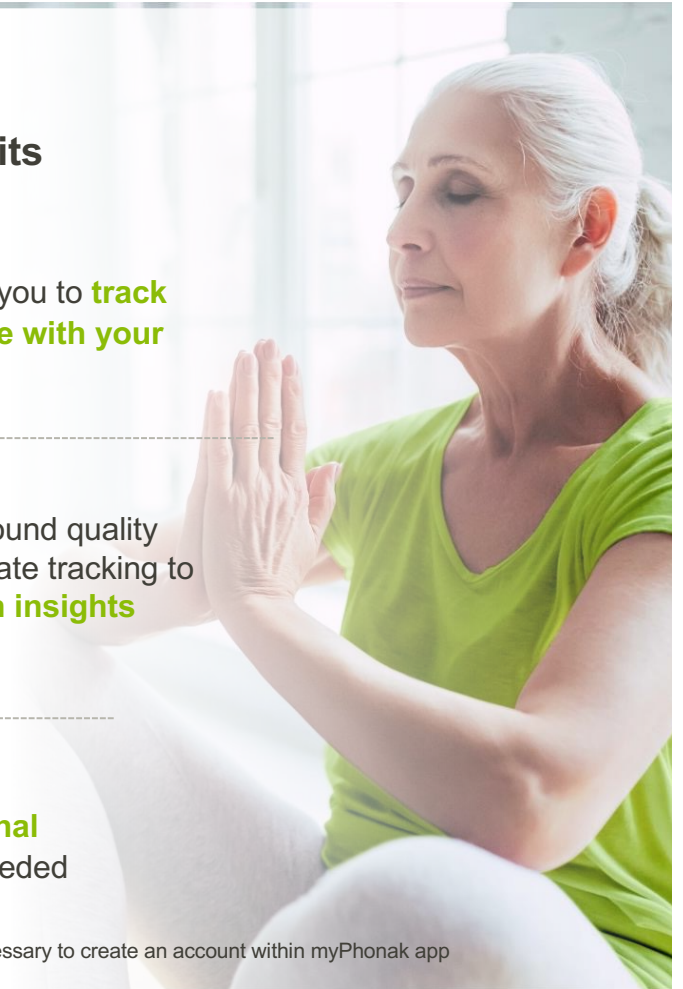


Paradise sound quality with heart rate tracking to **gain health insights**



No additional devices needed

In order to access health data, it is necessary to create an account within myPhonak app



Phonak Audéo Fit

Unleash the wonder within you with Audéo Fit including heart rate sensor



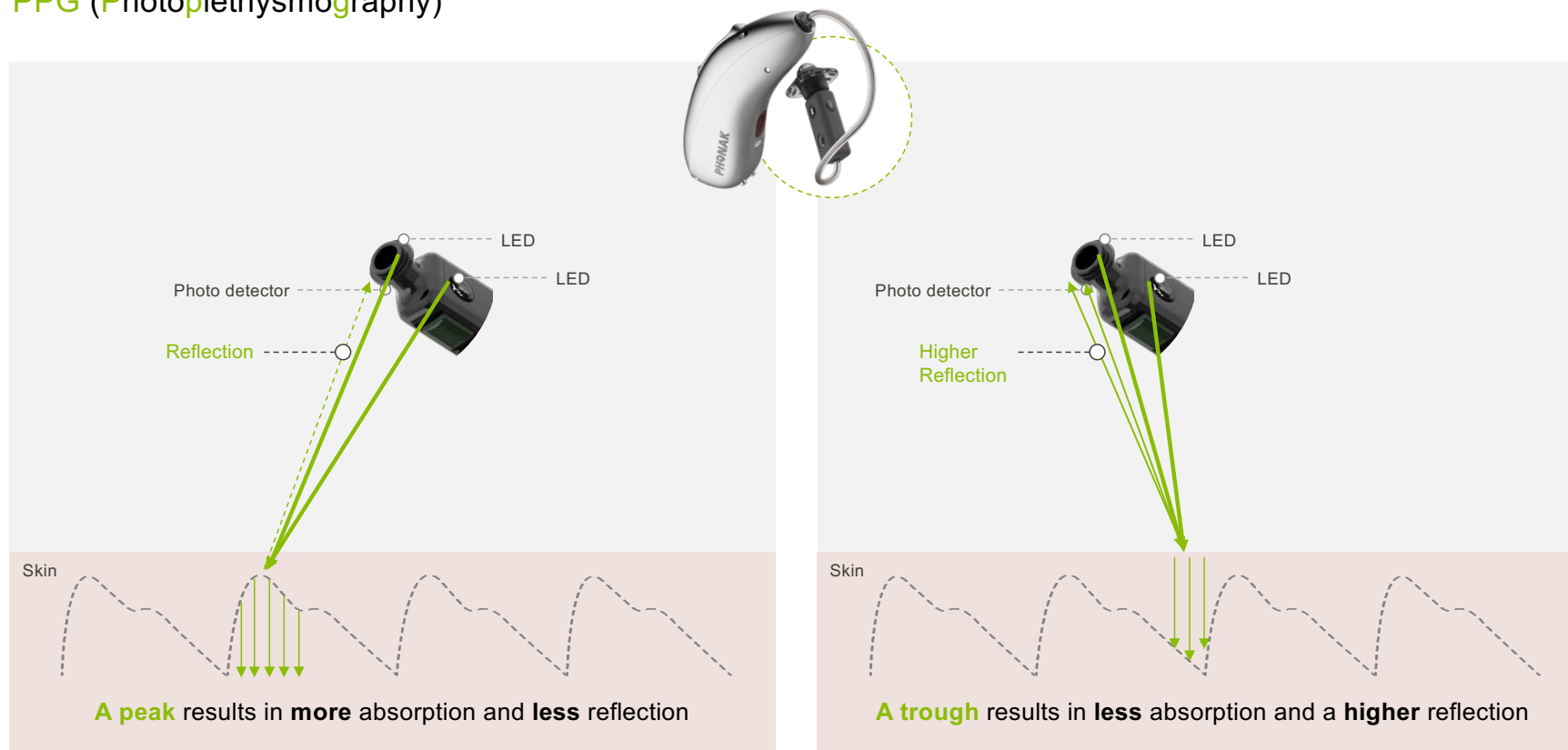
*Compared to Phonak Audéo Marvel

1. Appleton, J. (2020) AutoSense OS 4.0 - significantly less listening effort and preferred for speech intelligibility. Phonak Field Study News retrieved from www.phonakpro.com/evidence, accessed November 2020.

In order to access health data, it is necessary to create an account within myPhonak app

Optical heart rate detection

PPG (Photoplethysmography)



Phonak Audéo Fit hardware



In order to access health data, it is necessary to create an account within myPhonak app

Phonak Audéo Fit hardware



Audéo Fit compatibility

Performance levels

90

70

Trial

Roger microphones



Roger On™



Roger Select™

Phonak accessories



PartnerMic



RemoteControl



TV Connector



myPhonak app

Phonak Charger Case Combi



P6
Silver Grey

P4
Chestnut

P1
Sand Beige

Health feature summary

	Audéo Fit	Lumity	Paradise rechargeable	Paradise non- rechargeable	Marvel
Average combined wearing time for bilateral hearing aids	✓	✓	✓	✓	✓
Separate wearing time for each hearing aid	✓	✓	✓		
Average wearing time in different sound environments	✓	✓	✓		
Steps	✓	✓	✓		
Activity levels	✓	✓	✓		
Optional goal setting for wearing time	✓	✓	✓		
Optional goal setting for steps	✓	✓	✓		
Distance walked or ran	✓	✓			
Heart rate	✓				

RIC Portfolio

Rechargeable



Audéo L-RL Audéo L-R Audéo L-RT Phonak Slim



Audéo Fit

Zinc-Air



Audéo P-312 Audéo P-13T



Lumity vs. Paradise.

PHONAK
life is on



Audéo Paradise



Audéo Lumity

The benefit of Audéo Lumity

APD 2.0	Standard pre-calculation	New pre-calculation for asymmetric hearing losses	Meet the needs of more patients
AutoSense OS™	AutoSense OS 4.0	AutoSense OS 5.0 Added functionalities: - APD 2.0 pre-calculation - StereoZoom 2.0 - SpeechSensor	Improved noise management
Charger options	Audéo P-R & RT: Charger Case Combi Charge & Care Audéo P-R Life: Phonak Life Charger Charger Case Go	Audéo L-R & RT: Charger Ease Audéo L-R Life: Phonak Life Charger Charger Case Go	Flexible, easy-to-use charging with built-in voltage regulation
Dynamic Noise Cancellation	Available only in 90 performance level	Available in 90 & 70 performance levels	More patients can enjoy reduced listening effort ¹
myPhonak app	Speech Focus slider adjusts Dynamic Noise Cancellation & mic directionality Noise Reduction slider adjusts NoiseBlock	Speech Focus slider adjusts StereoZoom 2.0 Noise Reduction slider adjusts Dynamic Noise Cancellation	More personalization in challenging situations with increased directionality and noise management

Benefits of rechargeability

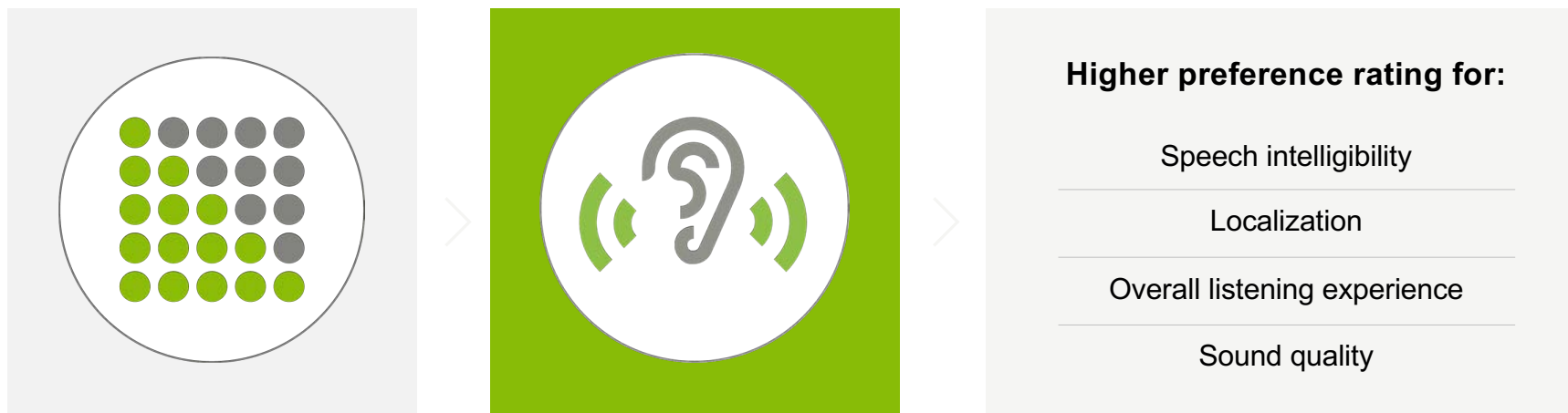
Lithium-ion



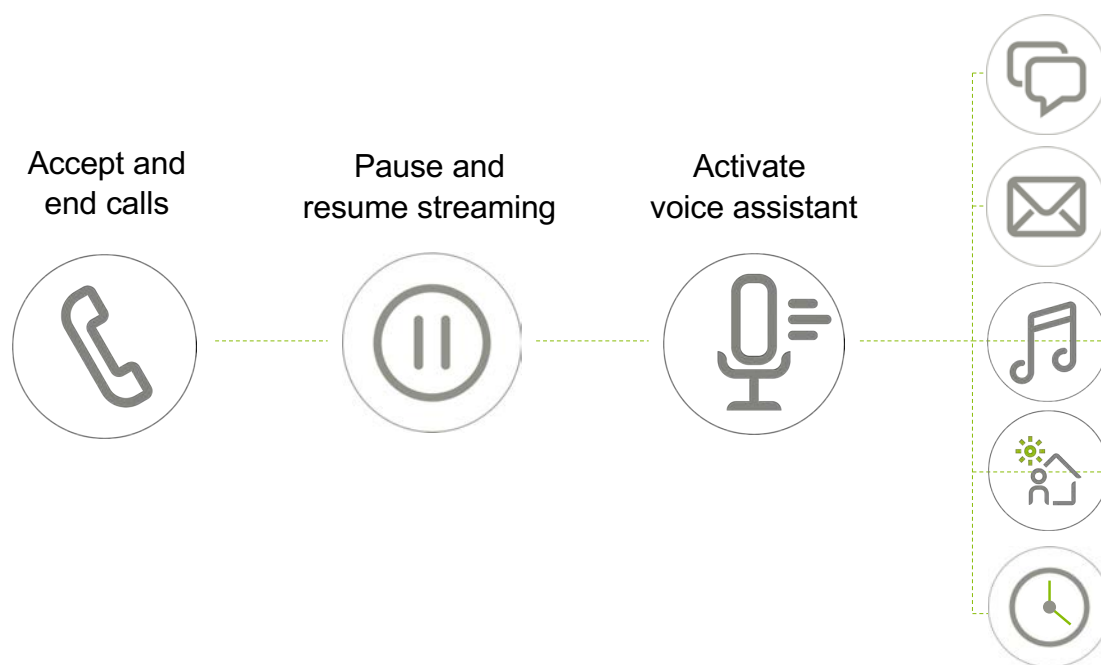
Motion sensor



Benefit of Motion Sensor Hearing

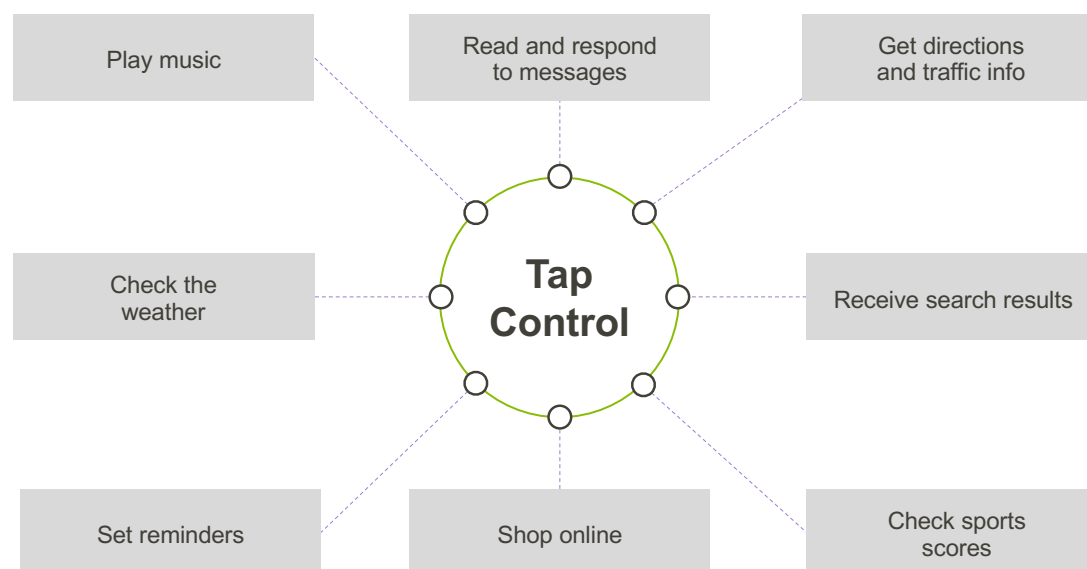


Tap Control



Tap into the possibilities

The combination of Tap Control with an external virtual assistant may give the wearer the ability to:



And many other possibilities... without touching their phone!

1. Kinsella, B. (2019, June 21). Voice Assistant Demographic Data - Young Consumers More Likely to Own Smart Speakers While Over 60 Bias Toward Alexa and Siri. Retrieved August 16, 2020, from <https://voicebot.ai/2019/06/21/voice-assistant-demographic-data-young-consumers-more-likely-to-own-smart-speakers-while-over-60-bias-toward-alexa-and-siri/>

ActiveVent compatibility



Audéo L-RL



Audéo L-R



Audéo L-RT



Phonak Slim

ActiveVent : World's first intelligent hearing aid receiver



10%

Better speech understanding
while still providing natural
sound quality^{*1}

Superior streamed sound
quality in quiet¹

* Compared to conventional acoustic coupling

¹ Latzel, M & Hobi, S (2022) ActiveVent Receiver provides benefit of open and closed acoustics for better speech understanding in noise and naturalness of own voice perception. Phonak Field Study News retrieved from www.phonakpro.com/evidence

RIC Portfolio

Rechargeable



Audéo L-RL Audéo L-R Audéo L-RT Phonak Slim



Audéo Fit

Zinc-Air



Audéo P-312 Audéo P-13T

Tailored to your lifestyle

PHONAK
life is on



Audéo L



Audéo L-Life



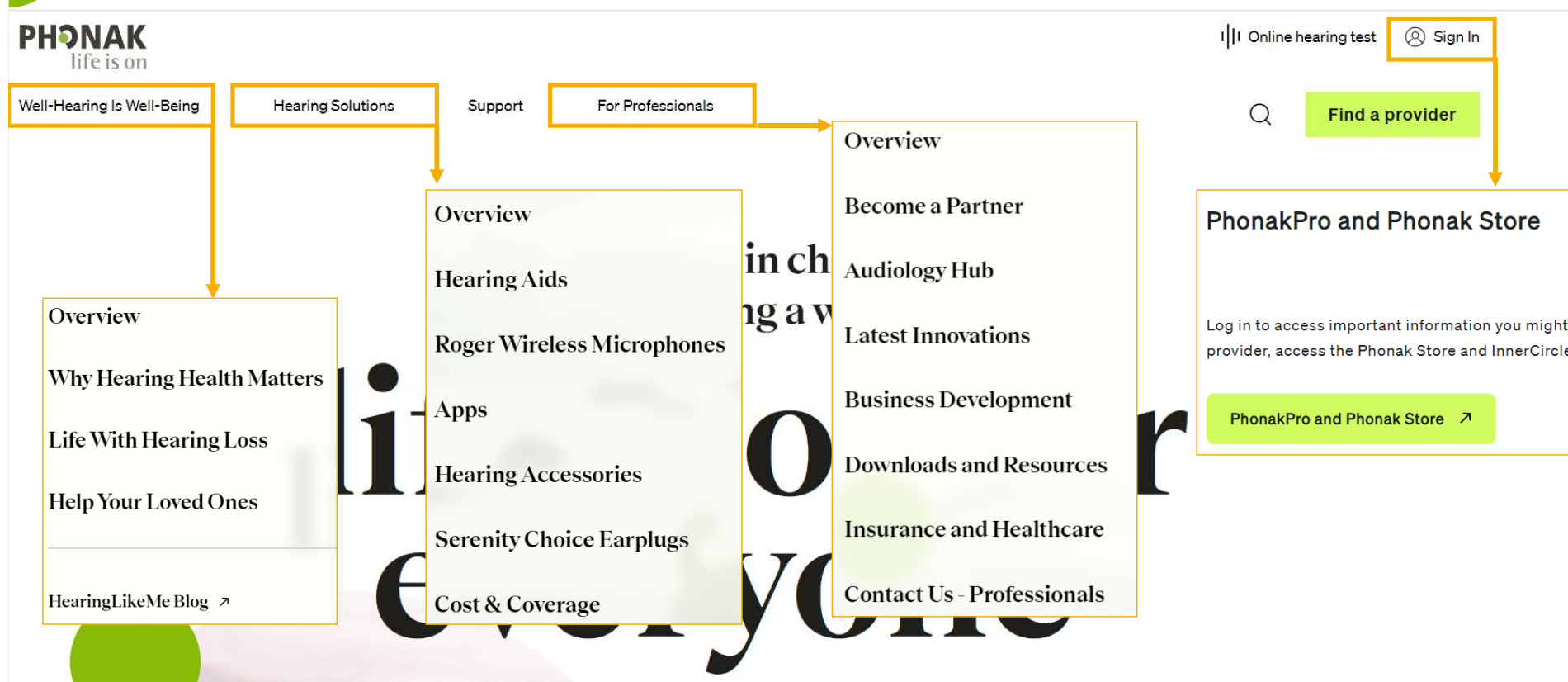
Phonak Slim L-R



Audéo P-Fit

	Audéo L	Audéo L-Life	Phonak Slim L-R	Audéo P-Fit
Automatically adjust to any environment with AutoSense OS™	5.0	5.0	5.0	4.0
StereoZoom – Improve your focus in noise	2.0	2.0	2.0	1.0
SpeechSensor – Detect speech from all around	•	•	•	
Adaptive Phonak Digital (APD) 2.0 – precise customization to your hearing needs	•	•	•	•
Phonak SmartSpeech Technology™ – collection of features allowing you to fully immerse in conversations in many situations	•	•	•	
Automatically distinguish between streamed speech and music	•	•	•	•
Tap Control (available only in 90 & 70 models)	•	•	•	•
Universal Bluetooth® connectivity (iOS® & Android™)	•	•	•	•
RogerDirect™ compatibility	•	•	•	•
Rechargeable	•	•	•	•
UP receiver compatibility	•	•		
ActiveVent™ Receiver compatibility	•	•	•	
Tracks average wearing time in different sound environments*	•	•	•	•
Tracks steps and activity levels with optional goal setting*	•	•	•	•
Tracks distance walked or ran*	•	•	•	•
Tracks heart rate and provides on-demand and resting rate information*				•
Tested beyond IP68. Waterproof (pool water and salt water) up to 50 cm and sweatproof		•		
Unique left and right design			•	

Resources at your fingertips: Phonak.com



Evidence –Audiology Hub

Independent analysis evidenced
Phonak.com has

- Highest number of research papers
- Highest number peer-reviewed articles
- Highest number of field study and technical research papers available



www.phonak.com/en-us/professionals/audiology-hub/evidence-library

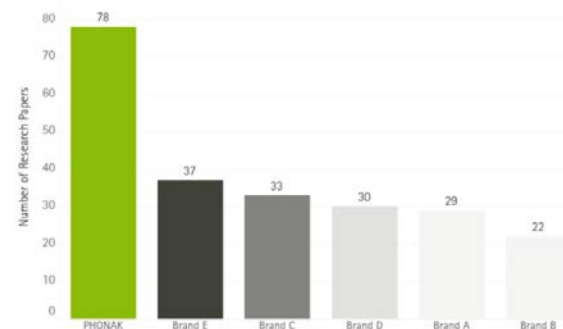


Figure 1. Research papers available by hearing aid brand (2019 - 2022).

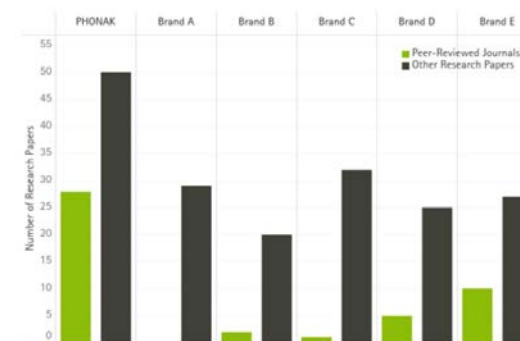


Figure 3. Independent peer-reviewed and other research-related papers (grouped) available by hearing aid brand (2019 - 2022).

Resources at your fingertips: Phonak Learning



learning.phonakpro.com

- Lumity, Paradise, and Marvel
- Thought leadership topics
- Pediatrics and adults
- Quick learnings and CEU courses

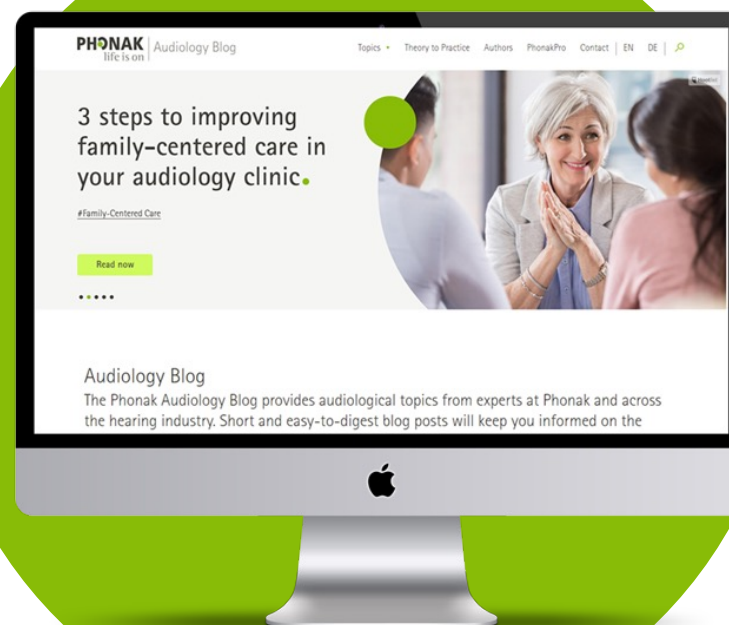
Audiology Blog - Keep up with the latest!

Leading experts share practice guidance, technology updates, product updates and more.

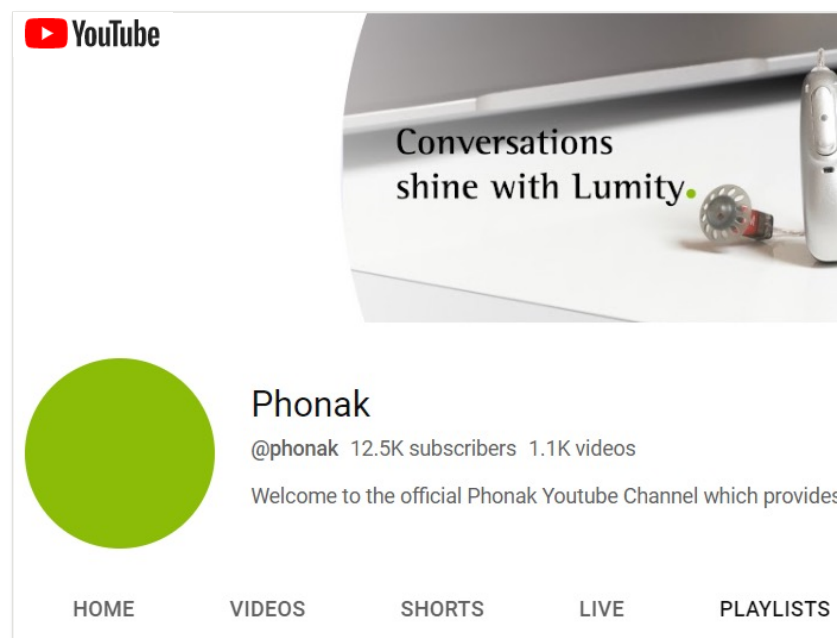
- Enjoy short articles with links for further learning
- Learn from experts and get practical tips for daily practice



audiologyblog.phonakpro.com



Resources at your fingertips: YouTube



- Instructional videos
- Testimonials
- Did you know...in 60 seconds or less
- Phonak 5
- 75 years of innovation
- Phonak Well-Hearing is Well-Being



Together,
we change lives ●