

OTICON | More

8 out of 10 people prefer Oticon More™



Independent research has shown that the brain needs access to the full sound scene to work in a natural way. We investigated how well Oticon More and two leading competitors give the brain the vital information it needs to make sense of sound. The results show that Oticon More provides better sound quality, more speech information and faster adaptation than the competition.



Better Sound Quality

8 out of 10
people prefer the sound
quality of Oticon More¹



More Speech

Oticon More provides up to
20% more
speech information²



Faster Adaptation

Oticon More adapts
2-3 times faster
than top competitors²



8 out of 10 people prefer the sound quality of Oticon More¹

Participants were asked to rate the sound quality of each of the hearing aids tested in several different real-life sound environments. The result: Not only did Oticon More get the highest average rating in the different sound scenes, an amazing **8 out of 10 people preferred the sound quality of Oticon More¹** over two leading competitors when listening to conversations in a restaurant, café and speech through a facemask.

Test setup

Participants:

22 participants with hearing loss who rated sound quality on a 0-100 scale

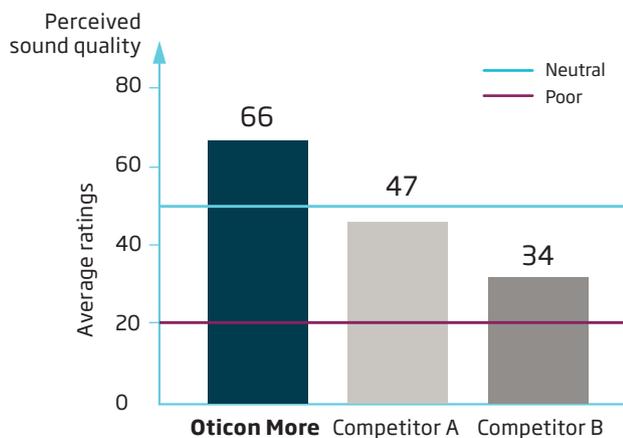
Hearing aid settings:

- Recordings based on a wide range of standard hearing losses
- Devices set to manufacturer's first fit

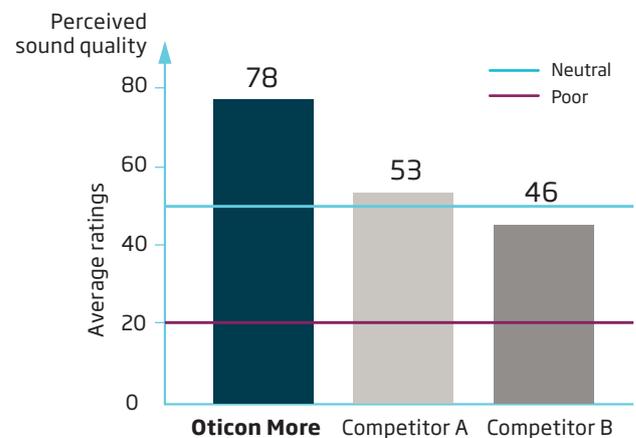
Task:

- Self-paced listening test
- Stereo headphones and laptop
- Random order sound recordings
- Sound quality rated on a 0-100 scale

Conversation in a restaurant and café



Speech through facemask



Key takeaway

The significant preference toward Oticon More is seen across listening environments. Oticon More gives the brain access to more nuance and clarity—making it the preferred device for sound quality.



Oticon More provides up to 20% more speech information than the competition²

We tested the various hearing aids to see how much speech information each provides in a noisy café environment. The results show **Oticon More provides up to 20% more speech information** than competitors.²

Test setup

Hearing aid settings:

- Fitted with proprietary rationales based on N3 hearing loss
- Automatics set to maximum help in complex environments

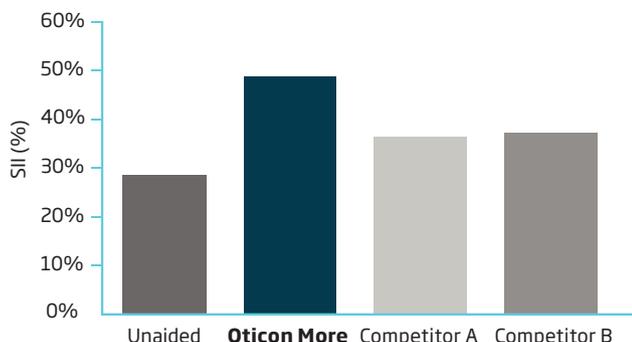
Technical measurement:

Estimated the amount of speech information present using the speech intelligibility index (SII) in the output signal-to-noise ratio recordings.

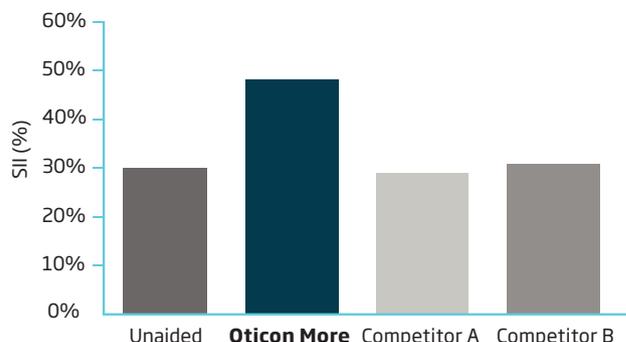
Sound scene:

- Real café scene
- Head-and-torso-simulator (HATS) with hearing aids
- Amplified sound in the ear canals was recorded for all three test devices
- Foreground: one talker in two locations
 - Toward the front (-15°)
 - Toward the side (-60°)
- Background noise at 71 dB SPL

Speech from the front (-15° azimuth)



Speech from the side (-60° azimuth)



Key takeaway

Participating in a conversation in a complex listening environment is challenging as access to speech information is reduced. Hearing loss reduces access even further. To achieve good speech understanding, hearing aids should provide as much speech information as possible. Oticon More provides 20% more speech information than two top competitors, which gives the brain the information it needs to help patients navigate their daily environments.



Oticon More adapts 2-3 times faster than the competition²

We tested how quickly the various hearing aids adapt to changes in the sound scene. **The results show Oticon More gives faster access to more of the relevant sounds all around,²** in higher fidelity, and recreates the full sound scene with more contrast and details.

21-174858 15500-0700/06.21

Test setup

Sound scene:

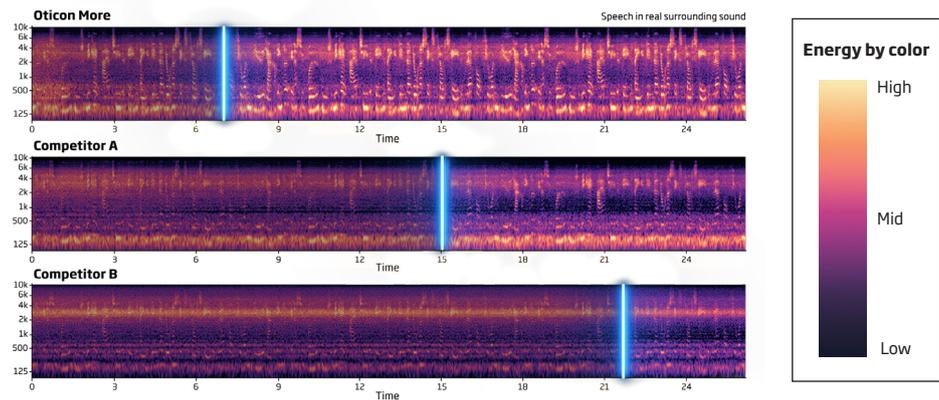
- Dantale II (matrix test) sentences spoken by female talker at 0 dB SNR
- Looped sentences for recording over time
- HATS in the middle wearing hearing aids
- Foreground: one talker located directly in front of the HATS (0°)
- Background: stationary speech-shaped noise

Technical measurement:

Spectrogram analysis showing how the sound scene is recreated by each hearing aid, showing the frequency spectrum as a function of time.

Faster adaptation

Spectrogram analysis shows how the sound scene is recreated by each hearing aid, showing the frequency spectrum as a function of time. Oticon More adapts 2-3 times faster than the competition.²



Key takeaway

Conditions within an environment can change rapidly—it's important for a hearing aid to adapt and stabilize quickly to provide better access to speech and meaningful surrounding sounds. Oticon More adapts faster to help patients get the important details they need to participate more seamlessly in their everyday lives.

References

1. Man BKL, Garnæs MF, Løve S. Oticon More competitive benchmark Part 2—Clinical Evidence. 2021.
2. Santurette S, Lu X, Ermert CA, Man BKL. Oticon More competitor benchmark Part 1—Technical Evidence. 2021.

