

APD 3.0 – The perfect balance between clarity and comfort*

Phonak fitting formula for an exceptional first impression



Adaptive Phonak Digital 3.0 (APD 3.0) features a new frequency response curve designed to **enhance general sound quality** in all acoustic programs.

From lab to real life

To validate the benefits of APD 3.0, our research team in Toronto, Canada, conducted a study focused on real-world conditions, giving hearing care professionals the confidence to achieve high first-fit acceptance and enhanced sound quality for clients.¹

Speech intelligibility testing

Lab setup

Participants sat at the center of an eight-speaker circle.

Task

American English matrix test.

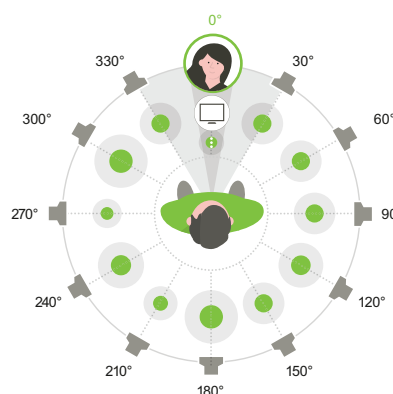
Example:

"Rachel wants four pretty chairs."

Sentences were presented from 0 degrees, while speech shaped noise was presented from the other speakers.

Participants were asked to **repeat the sentence** they heard.

Live sound quality preference task



Lab setup

Participants sat at the center of a 12-speaker circle. The study sound scenes used ambisonic recordings, which create a **highly realistic acoustic environment**.

A screen displayed a video of each presented sound scene for better immersion into the scene.

Task

While listening to the sound scenes, participants toggled between APD 3.0 and APD 2.0 programs.



They then **chose which program they preferred** for speech clarity, noise intrusion, listening comfort and overall experience.

Results

Speech intelligibility performance similar for APD 3.0 and APD 2.0. Study participants prefer APD 3.0 over APD 2.0 for



▲ Increased listening comfort



▼ Reduced noise intrusion



Overall sound quality

Learn more about the science behind APD 3.0 and other Phonak Infinio features.

Visit www.phonak.com/infinio-evidence

References

* Rated by clients comparing APD 3.0 to APD 2.0

1. Voss, S. C., Sheikh, B. & Cui, E. M. (2025). Sound quality improvements with APD 3.0. Phonak Field Study News. Retrieved from <https://www.phonak.com/evidence>.