

How bimodal hearing works

- 1 Cochlear implant system provides sound clarity¹
- 2 Hearing aid amplifies sound to provide balance and depth²
- 3 Your brain combines the information from both ears, so that you have a clearer, richer and more natural hearing experience³

Benefits of a Smart Bimodal Solution

In a **bimodal hearing solution**, a hearing aid and a cochlear implant system, working together, may provide your patients with additional benefits including:

- A richer, more natural experience³
- Greater clarity¹
- Improved ability to listen to and appreciate music⁴
- Improved speech understanding, especially in noise³
- The ability to understand people on the phone better⁴

In addition to improving speech understanding, the use of a hearing aid and cochlear implant together, rather than using one alone, can help an individual feel 'balanced' between the two ears.



The **Smart Hearing Alliance**, a unique collaboration between Cochlear and ReSound, makes it easy to provide a bimodal solution for your patients. The partnership provides connectivity solutions that work with both the ReSound hearing aid and the Cochlear™ Nucleus® Implant System. ReSound and Cochlear share wireless technology, so your patients can stream directly to their compatible Cochlear Nucleus Sound Processor and ReSound hearing aid simultaneously from compatible iOS or Android™ devices,* or from a range of wireless accessories with no need for intermediary devices.

1. Buchman CA, Herzog JA, McJunkin JL, et al. Assessment of Speech Understanding After Cochlear Implantation in Adult Hearing Aid Users: A Nonrandomized Controlled Trial. JAMA Otolaryngol Head Neck Surg. Published online August 27, 2020. doi:10.1001/jamaoto.2020.1584

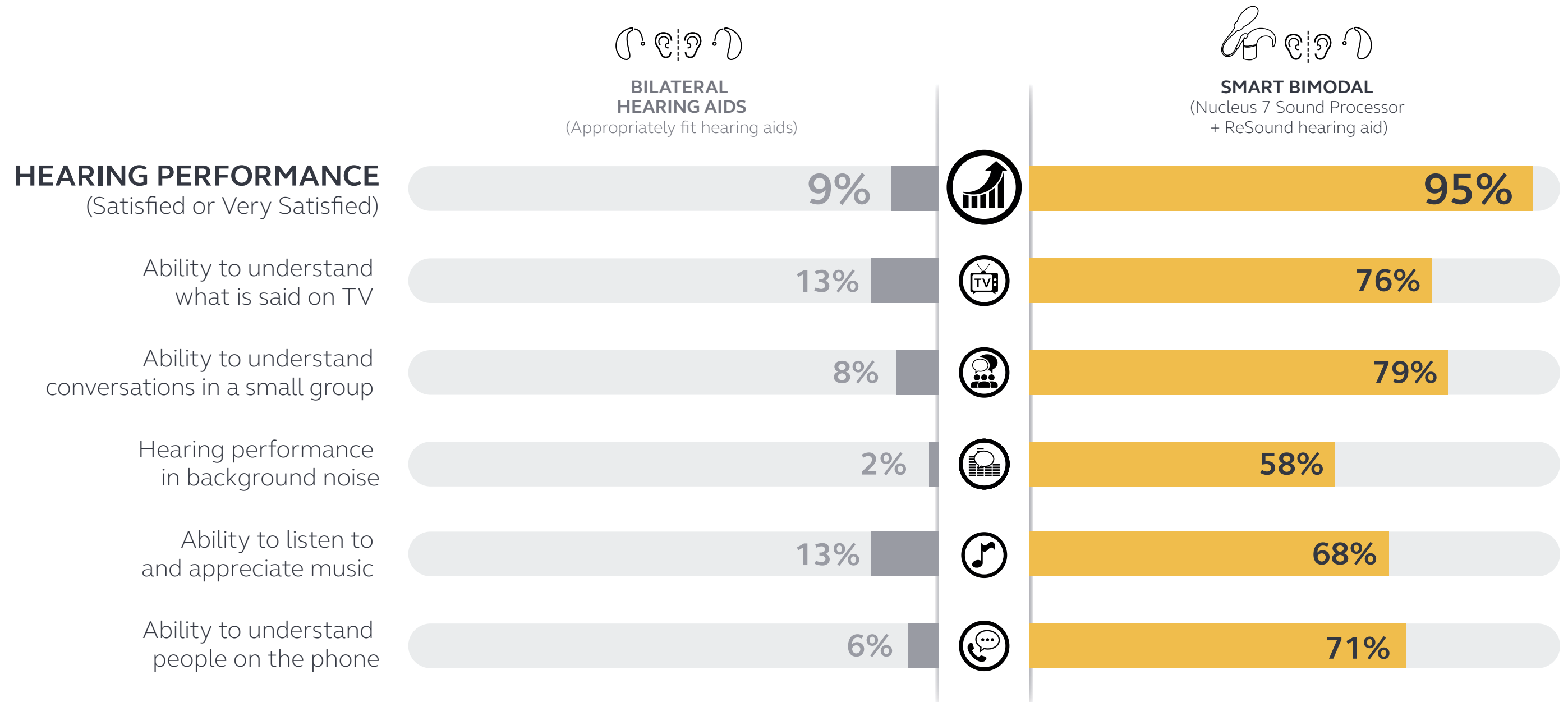
2. Dorman MF, Giordano RH, Spahr AJ, McKarns SA. The benefits of combining acoustic and electric stimulation for the recognition of speech, voice and melodies. Audiology and Neurotology. 2008;13(2):105-12.

3. Gifford RH, Dorman MF, McKarns SA, Spahr AJ. Combined electric and contralateral acoustic hearing: Word and sentence recognition with bimodal hearing. Journal of Speech, Language, and Hearing Research. 2007 Aug 1; 50(4):835-43

4. Lupo JE, Biever A, Kelsall DC. Comprehensive hearing aid assessment in adults with bilateral severe-profound sensorineural hearing loss who present for Cochlear implant evaluation. Am J Otolaryngol. 2020;41(2):102300. doi:10.1016/j.amjoto.2019.102300

*For compatibility information, visit www.cochlear.com/compatibility.

Did you know that patients with moderate to severe hearing loss, who are eligible implant candidates, report higher satisfaction from a cochlear implant with a hearing aid compared to two hearing aids alone?



Clinical Evaluation of the Cochlear Nucleus CI532 Cochlear Implants in Adults Investigator Meeting 2019 Apr.

Consider a cochlear implant evaluation for your patients when their hearing aids are no longer offering the quality of life they're looking for.

This material is intended for health professionals. If you are a consumer, please seek advice from your health professional about treatments for hearing loss. Outcomes may vary, and your health professional will advise you about the factors which could affect your outcome. Always read the instructions for use. Not all products are available in all countries. Please contact your local Cochlear representative for product information.

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