

Certain OTC, less expensive hearing aids provide benefit similar to conventional hearing aid

3 July 2017

A comparison between less-expensive, over-the-counter hearing assistance devices and a conventional hearing aid found that some of these devices were associated with improvements in hearing similar to the hearing aid, according to a study published by *JAMA*.

Presently, [hearing aids](#) can only be purchased in the United States through a licensed professional, with an average cost of \$4,700 for two hearing aids (uncovered by Medicare). According to nationally representative estimates, less than 20 percent of adults with hearing loss report hearing aid use. Personal sound amplification products (PSAPs) are less-expensive, over-the-counter devices not specifically labeled for hearing loss treatment, but some are technologically comparable with hearing aids and may be appropriate for mild to moderate hearing loss.

Nicholas S. Reed, Au.D., of the Johns Hopkins School of Medicine, Baltimore, and colleagues compared five of these devices (costs, approximately \$350 to \$30) with a conventional hearing aid (cost, \$1,910) among 42 adults (average age, 72 years) with mild to moderate hearing loss.

The researchers found that the change in accuracy in [speech](#) understanding from unaided to aided varied by [device](#). Three of the PSAPs were associated with improvements in speech understanding that were similar to results obtained with the [hearing](#) aid; one demonstrated little improvement; and speech understanding was worse with one PSAP.

"Results lend support to current national initiatives from the National Academies, White House, and bipartisan legislation requesting that the U.S. Food and Drug Administration create a new regulatory

classification for [hearing devices](#) meeting appropriate specifications to be available over the counter," the authors write.

A limitation of the study was the modest number of participants.

More information: *JAMA* (2017). [DOI: 10.1001/jama.2017.6905](#)

Provided by The JAMA Network Journals

APA citation: Certain OTC, less expensive hearing aids provide benefit similar to conventional hearing aid (2017, July 3) retrieved 5 May 2021 from <https://medicalxpress.com/news/2017-07-otc-expensive-aids-benefit-similar.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.