Hearing deficits are highly prevalent among older adults and are associated with declines in cognitive, physical, and mental health. However, hearing loss in the geriatric population often goes untreated and generally receives little clinical emphasis in primary care practice. This article reviews hearing health care for older adults, focusing on what is most relevant for family physicians. The objective of hearing loss treatment is to ensure that a patient can communicate effectively in all settings. We present the 5 major obstacles to obtaining effective hearing and rehabilitative care: awareness, access, treatment options, cost, and device effectiveness. Hearing technologies are discussed, along with recommendations on when it is appropriate to screen, refer, or counsel a patient. The purpose of this article is to provide pragmatic recommendations for the clinical management of the older adult with hearing loss that can be conducted in family medicine practices. (J Am Board Fam Med 2016;29:394–403.)

**Keywords:** Access to Health Care, Clinical Medicine, Cost-Effectiveness, Hearing Loss, Otolaryngology

A.S. is a 74-year-old man who presents to his family physician for a routine annual visit. His wife expresses concern that her husband has become hard of hearing, often requiring her to repeat words multiple times. He states that if only his wife enunciated clearly, it would not be an issue. Regardless, he says that everyone loses their hearing, so “who cares?” His wife is uncertain whether A.S. should see an ear, nose, and throat physician, an audiologist, or a hearing aid specialist. She has brought advertisements from the local newspaper for hearing aids that range from $2500 to $5000 and an advertisement from the back of a magazine for a $99 “miracle” hearing device. The wife expresses concern that her friend recently got a hearing aid and said it did not work. The patient and his wife ask you how they should proceed.

The above vignette describes an increasingly common encounter faced by many clinicians caring for older adults and highlights 5 issues pertaining to hearing health care that are often poorly understood by physicians and patients:

- Awareness of hearing loss manifestations and implications
- Access to hearing health care
- Treatment options for hearing loss
- Cost of hearing care
- Device effectiveness

This article reviews each of these issues with respect to what is most relevant for primary care...
providers, including physicians, nurse practitioners, and physician assistants. We also discuss the major obstacles to providing hearing and rehabilitative care for older adults.

**Awareness of Hearing Loss Manifestations and Implications**

Hearing deficits are common among older adults. The prevalence of hearing loss doubles with every decade-increase in age, such that nearly two thirds of adults ≥70 years of age have a clinically significant hearing impairment that affects daily communication. Recognizing the manifestations of hearing loss for an individual begins with an understanding that hearing is dependent on 2 processes: (1) the transduction and encoding of sound into a neural signal that occurs in the cochlea, and (2) the decoding of the neural signal in the brain and central auditory cortex. For the vast majority of adults, age-related hearing loss reflects the slow and progressive accumulation of damage to the cells responsible for transduction of sound in the cochlea that occurs over decades as a result of noise trauma, microvascular injury, and aging. With this damage, the cochlea can no longer precisely encode complex sounds such as speech; hence a distorted signal is sent to the brain, which is often perceived by individuals as people “mumbling.” This leads to the common refrain of “I can hear you but cannot understand you.” Therefore individuals with hearing loss generally have fewer problems under ideal listening conditions (e.g., face-to-face communication in quiet room) where the incoming speech signal is clear and some distortion in cochlear encoding does not markedly affect the brain’s ability to “decode” the sound. However, these individuals struggle more in challenging listening environments (e.g., a busy restaurant, someone talking in a different room) where the incoming speech signal is already distorted by ambient noise and reverberation.

Because most hearing loss occurs gradually and insidiously over years, many adults are unaware of their loss. Central compensation with recruitment of other brain regions to aid in auditory processing and increased use of contextual cues allows many individuals to continue to decode the impoverished ascending auditory signal and to “hear” effectively. Importantly, any concomitant cognitive impairment affects an individual’s ability to communicate effectively, since the central decoding of sound is dependent on these shared cognitive resources irrespective of the quality of the auditory signal encoded by the cochlea. Many older adults with cognitive impairment are therefore doubly challenged when trying to communicate verbally because of both impaired auditory encoding in the cochlea and decoding in the brain.

There is a great deal of room for improvement when it comes to patient and physician awareness of hearing loss. A study comparing subjectively reported hearing loss to audiometry found that approximately 30% of adults misclassify their hearing loss. Patients who are older, less educated, and of white or Hispanic race are most likely to underestimate their degree of hearing loss. Similar to the patient in our initial case presentation, patients and their families often have divergent views on the degree of hearing loss. In such cases family physicians are often best suited to capitalize on longstanding patient relationships to introduce awareness of hearing loss. However, a 2005 survey of 2169 adults with untreated subjective hearing loss found that only 45% of individuals reported having discussed hearing with their family doctor. While underreporting hearing loss is most common, family physicians can be presented with situations in which a patient or their family report substantial difficulty communicating despite an office-based hearing test suggesting only “mild” hearing loss. This may be the result of the type of office hearing screening being a poor reflection of actual hearing function (e.g., audiometric screening tests provide only crude assessments of hearing function) or the patient’s communication difficulties possibly being confounded by broader cognitive or communicative impairments (e.g., a patient’s spouse frequently talks with the TV on in the background).

The broader implications of hearing loss are increasingly surfacing in epidemiologic studies (Table 1). Hearing loss is independently associated with mortality, poorer cognitive function, incident dementia, depression, and physical functioning. The impact of hearing loss on healthy aging translates into significant financial burdens on the health care system. A conceptual model based on epidemiologic evidence describing the mechanisms through which hearing loss could affect cognitive and physical functioning is presented in Figure 1, although a bidirectional pathway cannot be excluded. This model acknowl-
edges that a set of common etiologies could underlie a simple correlation between hearing and poor health outcomes. These include, but are not limited to, age, vascular risk factors (eg, diabetes, smoking), and social factors (eg, education). By contrast, mechanistic pathways through which hearing impairment could contribute to poorer health include the effect of hearing impairment on cognitive load, brain structure, and decreased social engagement. Importantly, while hearing loss has been strongly associated with these broader outcomes in epidemiologic studies, the role of existing hearing loss treatments (eg, hearing aids) in potentially mitigating these effects is unclear. To our

Table 1. Epidemiologic Studies of the Association of Audiometric Hearing Impairment with Outcomes in Older Adults

<table>
<thead>
<tr>
<th>Outcomes by Category</th>
<th>Odds/Hazard Ratio (95% CI)*</th>
<th>Measure</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cognition</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cognitive decline</td>
<td>1.2 (1.1–1.5)</td>
<td>Increased risk of cognitive impairment</td>
<td>Lin et al.6</td>
</tr>
<tr>
<td>Dementia</td>
<td>3.0 (1.4–6.3)</td>
<td>Increased risk of dementia for moderate HI</td>
<td>Lin et al.9, Gallacher et al.10</td>
</tr>
<tr>
<td><strong>Mental health</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depression</td>
<td>3.9 (1.3–11.3)</td>
<td>Greater odds of depression in women with moderate HI</td>
<td>Li et al.,11 Mener et al.12</td>
</tr>
<tr>
<td>Anxiety</td>
<td>1.5 (1.3–1.7)</td>
<td>Greater odds of anxiety disorder</td>
<td>Chung et al.17, Tambs et al.18</td>
</tr>
<tr>
<td>Social isolation</td>
<td>3.5 (1.9–6.4)</td>
<td>Greater odds in women per 10 dB of HI</td>
<td>Mick et al.19</td>
</tr>
<tr>
<td><strong>Physical function</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mortality</td>
<td>1.5 (1.1–2.2)</td>
<td>Increased risk of mortality for moderate HI</td>
<td>Contrera et al.5, Fisher et al.20</td>
</tr>
<tr>
<td>Falls</td>
<td>1.6 (1.2–1.9)</td>
<td>Greater odds of falls per 10 dB of HI</td>
<td>Lin et al.,21 Viljanen et al.22</td>
</tr>
<tr>
<td>Physical activity</td>
<td>1.6 (1.1–2.2)</td>
<td>Greater odds of lower physical activity for moderate HI</td>
<td>Gispen et al.,23 Loprinzi24</td>
</tr>
<tr>
<td>Disability</td>
<td>1.3 (1.1–1.9)</td>
<td>Increased risk of disability for moderate HI</td>
<td>Chen et al.25</td>
</tr>
<tr>
<td>Gait speed</td>
<td>2.0 (1.2–3.3)</td>
<td>Greater odds of low gait speed per 25 dB of HI</td>
<td>Li et al.,26 Viljanen et al.27</td>
</tr>
<tr>
<td><strong>Cost</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>1.4 (1.1–1.7)</td>
<td>Greater odds of hospitalization</td>
<td>Genther et al.28</td>
</tr>
<tr>
<td>Unemployment</td>
<td>2.0 (1.4–2.9)</td>
<td>Greater odds of unemployment</td>
<td>Emmett and Francis,29 Lin et al.30</td>
</tr>
</tbody>
</table>

CI, confidence interval; dB, decibel; HI, hearing impairment.
*Compared with individuals without hearing impairment, taken from the first citation in column 4.

Figure 1. Conceptual model of the association of hearing impairment with impaired cognitive and physical functioning in older adults. QoL, quality of life.
knowledge there has never been a randomized con-
trolled trial investigating the effects of treating
hearing loss on potentially reducing the risk of
cognitive and physical functional decline in older
adults.31

Access to Hearing Health Care

From our case presentation, A.S. and his wife were
uncertain where they should pursue hearing loss
treatment. This is a common dilemma faced by
many patients and even providers. Specifically, does
a patient need to seek professional care for hearing
loss? If so, whom should they see? The following
section describes the roles of audiologists, hearing
aid specialists, otolaryngologists, and primary care
physicians in delivering appropriate hearing health
care (Table 2). In addition, communication strate-
gies and “self-help” resources are outlined to assist
in providing effective basic hearing counseling to
patients.

Audiologists conduct much hearing and rehabil-
itative care. They fit and sell the majority of hear-
ing aids that patients purchase in the United
States32 and provide a wide range of services for
vestibuloauditory disorders. Comprehensive aural
rehabilitation and treatment provided by audiolo-
gists should comprise a diagnostic assessment (in-
cluding audiometry, speech-in-noise tests, oto-
scopy, etc.), a communication needs assessment,
education, instruction in hearing technologies, and
rehabilitative counseling. While this approach
serves as the “gold standard” treatment for hearing
loss, the actual level of care provided varies sub-
stantially from provider to provider, often depend-
ing on the needs of the patient as well as the
practice pattern of the audiologist.33 Upon referral,
the audiologist should provide the primary care
physician with an interpretation of the patient’s
diagnostic assessment and services. Audiologists do
not provide medical otologic care (beyond routine
cerumen cleaning). As such, the US Food and Drug
Administration specifies that hearing aids sold in
the United States require medical clearance by a
physician. However, an audiologist is still able to
sell hearing aids directly to an adult patient without
medical clearance if the patient signs a waiver de-
clining medical evaluation by a physician, which is
done in the vast majority of cases. Likewise, Medi-
care currently covers diagnostic services provided
by an audiologist with a referral from a licensed
physician, but it does not cover any treatment or
rehabilitative services provided by audiologists.34

Hearing instrument specialists, also known as
hearing aid dispensers, are licensed by states to
select and fit hearing aids but cannot perform any
type of diagnostic or treatment services.35 A dis-
enser, for instance, would not conduct testing for
a vestibular disorder. Licensure requirements varies
by state but generally include a high school dip-
loma or General Educational Development cre-
dential and the completion of a supervised appren-
ticeship lasting between 6 months and 2 years.
Unlike most audiologists, many hearing aid special-
ists are affiliated with a hearing aid manufacturer,
which may provide the financial backing for their
training in exchange for future distribution of their
brand of hearing aid.

Otolaryngologists medically manage patients
with hearing loss and perform surgeries for im-
plantable hearing devices such as bone-conduction

<p>| Table 2. Current Options for Accessing Hearing Care |
| --- | --- | --- | --- | --- |</p>
<table>
<thead>
<tr>
<th>Option</th>
<th>Training</th>
<th>Services</th>
<th>Limitations</th>
<th>Best Clinical Utility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audiologist</td>
<td>AuD or PhD</td>
<td>Gold-standard aural rehabilitation and HA fitting</td>
<td>High cost, access</td>
<td>Mild to severe HL</td>
</tr>
<tr>
<td>Hearing aid specialist</td>
<td>High school, apprenticeship</td>
<td>HA testing and fitting</td>
<td>Limited rehabilitation and customization</td>
<td>Mild to moderate HL</td>
</tr>
<tr>
<td>Otolaryngologist</td>
<td>MD</td>
<td>Medical and surgical evaluation/treatment</td>
<td>—</td>
<td>Severe HL, medical management</td>
</tr>
<tr>
<td>Primary care physician</td>
<td>MD</td>
<td>Hearing screening, referral, and care coordination</td>
<td>—</td>
<td>Selective screening, education, referral</td>
</tr>
<tr>
<td>Internet sales</td>
<td>None</td>
<td>Direct-to-consumer sale of HAs, PSAPs, and ALDs</td>
<td>No aural rehabilitation, fitting, or customization</td>
<td>No to mild HL</td>
</tr>
<tr>
<td>Over-the-counter sales</td>
<td>None</td>
<td>Direct sale of PSAPs and ALDs only</td>
<td>No aural rehabilitation, fitting, or customization</td>
<td>No to mild HL</td>
</tr>
</tbody>
</table>

ALD, assistive listening device; HA, hearing aid; HL, hearing loss; PSAP, personal sound amplification product.
devices (indicated for certain types of conductive hearing loss and single-sided deafness) and cochlear implants (indicated for patients with severe hearing loss who cannot achieve substantive benefit from a hearing aid). The vast majority of older adults with age-related hearing loss arguably do not need to be seen by an otolaryngologist for evaluation unless there is an indication that implantable devices may be warranted or other medical indications exist. The American Academy of Otolaryngology–Head and Neck Surgery outlines 10 “red flags of hearing loss” that warrant specialist evaluation; these are based on expert consensus. Medical issues include, but are not limited to, pain, sudden-onset hearing loss, dizziness, deformity of the ear, unremitting tinnitus, ear drainage, asymmetric hearing loss (including speech discrimination or acoustic reflexes), unexplained conductive hearing loss, a complex history (eg, ear infections, noise exposure, autoimmune disorder, ototoxic medication use, otosclerosis), or visualization of material (eg, blood, pus, cerumen, foreign body) in the ear canal.

Screening remains the first step in accessing care. Therefore the health care professionals who are arguably the most influential in patients’ access to treatment are primary care providers, especially family physicians. Current estimates are that between 14% and 60% of health care providers screen for hearing loss. In 2012 the US Preventive Services Taskforce cited “that the current evidence is insufficient to assess the balance of benefits and harms of screening for hearing loss in asymptomatic adults aged 50 years or older.” Although there is not yet substantial evidence to screen all patients over 50, family physicians can incorporate a number of recommendations into their practice to ensure their patients have basic access to hearing health care. A wide range of screening methods exist, including clinical tests (eg, whispered voice, finger rub, and watch tick tests); single-question screening (eg, “Do you have difficulty with your hearing?”); multiple-item patient questionnaires (eg, Hearing Handicap Inventory); and handheld audiometers. Because simple clinical tests and the single-question screenings are nearly as accurate as multiple-item questionnaires and handheld audiometers, the most basic screening methods are suitable for the busy family practice office. It is ultimately up to the individual physician to determine whether screening is prudent for an asymptomatic patient. Epidemiologic risk factors associated with hearing loss include older age; paler skin (concentrations of melanin in the cochlea correlate with skin color, and cochlear melanin has a protective effect in the cochlea); male sex; less education; lower income; and a history of excess noise exposure, cardiovascular disease, or diabetes. If a screening test is positive, patients should undergo a basic otoscopic examination and history to ensure none of the “red flag symptoms” discussed above are present.

Treatment Options for Hearing Loss

The overarching objective of hearing loss treatment is to ensure that an individual can communicate effectively and monitor the auditory environment. Considering A.S. from our case presentation, it is important to recognize that the steps needed to achieve this goal vary substantially from individual to individual and depend on myriad factors (eg, severity of hearing loss, perceived need, interest in technology, comorbidities, financial resources, mobility). Figure 2 presents a suggested clinical model of triaging patients to different levels of hearing health care depending on the patients’ interests and needs; this model can be applied by primary care providers.

Comprehensive, best-practice hearing loss treatment generally comprises 3 components: assessment, education/counseling, and technology. Depending on a patient’s motivations and situation, he or she may require a comprehensive hearing evaluation, audiometric and speech tests, and counseling/education provided by an audiologist on the use of hearing assistive devices. However, other individuals may need only a properly programmed hearing aid, which could be provided by a hearing instrument specialist. Finally, other individuals may simply need basic education in communication strategies from a health care provider and to use an over-the-counter amplification device. Figure 3 depicts basic strategies that can be paired with self-help resources to promote continued learning outside of the clinic:

- American Speech-Language-Hearing Association (asha.org/public)
Figure 2. Suggested pathway for the evaluation and management of hearing loss in primary care. *Medical issues include, but are not limited to, pain, sudden onset of hearing loss, dizziness, abnormal ear examination, unremitting tinnitus, ear drainage, or single-sided/asymmetric deafness.

- Health and Human Services (http://health.gov/communication/literacy/olderadults/hearing.htm)
- Hearing Loss Association of America (www.hearingloss.org)
- Hearing Loss Matters (http://hearinglossmatters.org/)

Despite the demands of a busy practice, such training and education is an opportunity for family physicians to make an impact on a patient’s communi-

Figure 3. Communication strategies for patients with hearing loss.

1) Minimize background noises
2) Use face-to-face communication
3) Rephrase a misheard statement rather than just repeating it.
4) Summarize components of a statement rather than simply responding, “huh?”
ation and well-being, regardless of whether hearing technology is pursued.

Cost of Hearing Care

Cost is likely a significant reason that people with hearing loss do not pursue treatment; 1 survey reported that 65% of individuals with moderate to severe hearing loss would seek treatment if they were sure they could afford to do so.42 Most insurance providers, including Medicare, do not cover hearing aids. In 2013 the average price of a pair of hearing aids was $4700 (range, $3300–6000); in light of falling prices for technology such as computers and other portable electronics, this begs the question of why hearing aids remain so expensive.

One of the major factors is the bundling of audiologic services and technology in which the costs of an audiologist’s expertise and services (eg, diagnostic testing, counseling, device fitting/programming) are bundled into the cost of the actual hearing aid.43 Under this model, the actual wholesale cost of the hearing aid to the audiologist is generally only 30% to 40% of the total cost that is charged to the patient. Unfortunately, this approach means that the cost of hearing loss treatment is the same for all patients, regardless of their financial means, level of hearing loss, and actual needs. The pricing structure for “high-end” versus “basic” hearing aids is of dubious benefit, however, with some literature suggesting little functional difference to justify the price disparity between these 2 levels of technology (generally several thousand dollars).35 A second reason for the high cost of hearing aids is that they are obtained by audiologists at a high wholesale cost as a result of the low volume of hearing aid sales (~20 units/month)43 for most providers. By contrast, the wholesale cost of a pair of mid-tier hearing aids when purchased by large-volume providers such as the Veterans Administration in the United States and the National Health Service in the United Kingdom is generally less than $300.

Numerous business models have emerged to meet the demand for lower-cost hearing interventions. Personal sound amplification products (PSAPs) are amplification devices that are available over the counter and are intended for use by individuals with “normal” hearing. While many of these products are poor quality, a few PSAP manufacturers (eg, Soundhawk [soundhawk.com], Sound World Solutions [www.soundworldsolutions.com]) offer amplification with individualized programming through a smartphone.46,47 Such devices could hold promise as a less expensive alternative for patients with hearing loss who want a basic level of amplification. These devices, however, cannot be labeled as “treating” hearing loss because in so doing they would have to be registered with the Food and Drug Administration as a “hearing aid,”48 and their sale would be restricted at the state level to only licensed providers. Interestingly, online retailers can often sell direct-to-consumer hearing aids because interstate commerce is not regulated by state laws that require that hearing aids be sold by audiologists or hearing instrument specialists. These different business models share the function of providing alternatives to obtaining access to hearing technologies through traditional channels (ie, an audiologist or dispenser) for those individuals seeking increased affordability and accessibility. A report on such devices and the role of over-the-counter hearing technologies was recently issued by the President’s Council of Advisors on Science and Technology44 as a direct product of the July 2015 White House Conference on Aging.

Third-party payment for hearing health care is limited. While a small number of private insurance companies cover hearing aids for older adults, Medicare, which insures the vast majority of adults with hearing loss, does not. This is relatively unique among developed countries, the majority of which cover all or most of the cost of hearing aids. Medicare does not cover routine hearing exams, screening, hearing aids, or aural rehabilitation when provided by an audiologist. The Medicare Act of 1965 statutorily excluded coverage of hearing aids under the premise that they were “routinely needed and low in cost,” suggesting that consumers would be responsible for their purchase.50 An important clarification is that Medicare does cover diagnostic hearing exams deemed necessary by a physician. Furthermore, the “Welcome to Medicare Visit” requires hearing loss screening with questioning or a questionnaire,51 and the Medicare Annual Wellness Visit requires assessment by either established screening questions, a questionnaire, or direct observation.52 The question of whether Medicare should cover hearing aids has been raised53 and is currently one of several issues being discussed at an ongoing Institute of Medicine (IOM) Consensus Study on Affordable
and Accessible Hearing Health care, which was initiated following an earlier IOM workshop on hearing loss and healthy aging.\textsuperscript{54} Somewhat ironically, however, some hearing health care professional groups discourage this measure because of the projected loss of revenue from private and out-of-pocket payers.\textsuperscript{55} Regardless of what method is used to produce savings, reducing costs will play a leading role in improving the rates of treatment for adults with hearing impairments.

Device Effectiveness

The final issue raised in our case presentation is the effectiveness of hearing aids in treating hearing loss. A.S. is not unique in having friends or family who did not like their hearing aids. The fundamental limitation of treatment is that hearing loss cannot be cured. This leads to several common concerns among hearing aid users. In one survey the most commonly reported reasons for dissatisfaction were that patients could not hear as well as they expected in crowded areas (79%), during 1-on-1 conversations (44%), or to TV/radio (42%).\textsuperscript{42} Other difficulties that patients have with hearing aids include discomfort, cosmesis, battery issues, and interference from cerumen. Studies estimate that total nonuse among adults with hearing aids is at least 3% to 10%.\textsuperscript{56,57}

Device effectiveness is rooted in the concept of the signal-to-noise ratio. When an individual with normal hearing is in a sound-filled environment, the brain instantaneously processes which noises are relevant to the individual and effectively filters out the rest. When a patient has hearing loss, the ability to distinguish between relevant and irrelevant sound is diminished because of poor neural encoding of sound by the cochlea. Amplifying sound can partly help to reduce this issue, but even the best hearing aids are limited in their ability to determine which sounds to amplify. For this reason, environments such as restaurants (a low level of desired “signal” with a relatively high level of background “noise”) can be problematic for hearing aid users.

In environments where listening conditions are less than ideal, assistive listening devices (ALDs) can improve audibility by capturing desired sound near the point of origin and transmitting it wirelessly to a receiver (either a hearing aid or an intermediary streamer device). Technology such as personal frequency modulation, infrared, and induction loop systems reduce the signal-to-noise ratio for users by bringing the microphone closer to the sound source. These can improve the function of hearing aids or PSAPs, which, by contrast, have a microphone located in the ear-worn device (ie, far from the sound source). Regardless of whether a patient has a hearing aid, ALDs can be recommended to individuals requiring assistance when watching television or using the telephone. The Americans with Disabilities Act requires that ALDs be available in public venues where audible communication is integral to the space (eg, churches, museums, or theaters), but compliance varies.\textsuperscript{58}

Future Implications

There is growing recognition of the issues surrounding hearing health care for older adults. The issue of access to hearing technologies for older adults was the first topic to be addressed by the White House after the July 2015 White House Conference on Aging; amazingly, this initiative resulted in a report issued by the President’s Council of Advisors on Science and Technology just 3 months after the IOM convened a workshop on hearing loss and healthy aging to further examine the topic and address the public health implications. This is now being followed by an IOM consensus study to develop formal recommendations to bring about more affordable and accessible hearing health care in the United States.\textsuperscript{54} Furthermore, HealthyPeople 2020, a national disease prevention initiative spanning numerous government and private agencies, includes hearing loss on its decennial agenda. Specifically, one goal is to increase the proportion of persons who have had a hearing examination and have ever used hearing technology. The question of how to achieve these ideals is much harder to answer. Reducing cost, improving device effectiveness, and increasing awareness are essential. Primary care providers, especially family physicians, are in a privileged position to improve outcomes for older adults through a clear understanding of the system by which patients can obtain hearing treatment and rehabilitation.

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