



Results

APAC Trak Korea (KOR) 2024

- 1. Introduction
- 2. Market overview
- 3. Analysis of hearing aid owners
- 4. Analysis of hearing impaired non-owners
- 5. Appendix

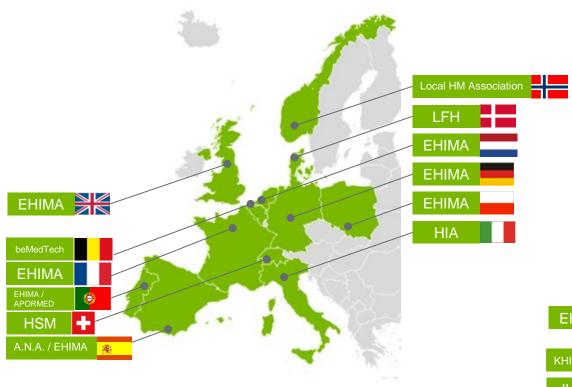






Summary 1. Introduction

APAC Trak KOR 2024 is part of the EuroTrak / APACTrak studies:



APAC Trak KOR 2024 was designed and executed by Anovum (Zurich) on behalf of EHIMA and KHIMA.

Sample sizes:

Representative sample (sample 1):

n=15'416 people

Hearing impaired (sample 2): Hearing impaired non-owners (HA Non-owner): n=618 people

Hearing aid owner (HA Owner):

n=1'013 people n=395 people







Detailed Results: Roadmap

1. Introduction

- Organisation of APAC Trak KOR 2024
- Recruitment process: In search of hearing impaired people

2. Market overview

- Prevalence of hearing loss and hearing aid adoption rate
- Hearing tests and where hearing is tested
- The route to the hearing aid: Sources of information and drop-out rates
- Potential social cost-savings due to the use of hearing aids: Work competitiveness, depressive symptoms, sleep quality, co-morbidities

3. Analysis of hearing aid owners

- Hearing aid ownership, awareness of hearing loss, lifetime of hearing aids and usage
 - Reasons for getting hearing aids sooner, third party payment
 - Channels for getting hearing aids, recommendation of channel (NPS)
 - Awareness and usage of hearing aid apps, Telecoil
- Satisfaction with hearing aids and drivers, Importance of listening situations
- Positive impact of hearing aids, safety due to hearing aids, quality of life

4. Analysis of hearing impaired non-owners

- Reasons for not having hearing aids
- Social rejection because of hearing loss compared to the acceptance of hearing aids
- Most important triggers to buy

5. Appendix

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- Demographics: Hearing instrument adoption rates and populations





Summary 2. Market overview

• Stated hearing loss prevalence

- Total: 5.3% (2021:5.9%), 18+: 5.9%.
- Hearing Tests: Hearing Tests: 60% had a hearing test in the last five years, most of which were done by family doctors and ENTs.

• Hearing aid adoption rate (HA penetration)

- 34.4% (2021: 36.6%) of those with self-declared HL.
- 1.8% of total population.
- 58% (2021: 51%) of HA owners have binaural treatment.

• The route to the hearing aid

- 69% of the hearing impaired discussed hearing loss with an ENT doctor or family doctor.
- 51% got hearing aids recommended from the ENT or family doctor (drop out rate=26%).
- 50% of the GP consultations referred to an ENT, 27% to an Audiologist, and 31% to get hearing aids. 14% recommended no action.
- 41% of ENT consultations were referred to an Audiologist, 41% recommended getting a hearing aid, and 28% recommended no action.

• Potential social cost-savings due to the use of hearing aids

- Hearing aids are believed to have a positive impact on the job.
- 51% of employed individuals using hearing aids believe the devices enable them to work longer.
- Hearing aid owners tend to have a lower risk of being depressed.
- Hearing aid owners are less are less likely to feel severely physically exhausted.
- Quality of sleep seems to improve if the hearing impaired use hearing aids.





Summary 3. Analysis of hearing aid owners

• Hearing aid ownership, usage, and accessories

- 53% of all HA owners received some 3rd party reimbursement.
- 53% of the currently owned HAs were acquired in 2022 or later.
- The median age of hearing aids before replacement is five years.
- On average, HAs are worn 5.9 hours a day.
- ITEs are the most often purchased type of HA.
- Cochlear Implants: 29% of the HA owners with severe/profound HL have been informed about CIs by a medical professional.
- 33% of HA owners use a hearing aids app, and 47% are satisfied.
- 18% of the HAs are (to the knowledge of the owners) equipped with Telecoil. The main usage of Telecoil is the phone.

• Importance of listening situations and satisfaction with HAs

- 70% of the hearing aid owners say their hearing aid works better than or as expected.
- 52% of the HA owners are satisfied with their hearing aids.
- Satisfaction with newer hearing aids is higher than with older hearing aids.
- The more hours worn per day, the higher the satisfaction with the HA.
- The most important listening situations are conversations in large groups, interactions at home with family members, and phone conversations
- Positive impact of HAs
 - Hearing aids positively impact overall communication effectiveness, a sense of safety, and many other aspects of life.
 - 76% of hearing aid owners feel more confident moving in a city since wearing hearing aids.
 - 95% of hearing aid owners declare that their hearing aids improve their quality of life at least sometimes.
 - 64% of all HA owners think they should have gotten their HAs sooner.





Summary 4. Analysis of hearing impaired non-owners

Reasons not to own/use HAs

- Only 19% of the hearing impaired without hearing aids think that a third party would pay for any part of hearing aids.
- The main reason for not having hearing aids is perceived discomfort.
- 7% who own hearing aids don't use them (0 hours); 25% use them less than one hour/day (0-1 hour).

• Social rejection and triggers to buy

- 36% of hearing aid owners feel that people never make fun of or reject them because of their hearing aids. It is more likely that somebody makes fun of or rejects a hearing impaired without a hearing aid.
- Key factors for hearing aid ownership were ENT advice, worsening hearing loss, and audiologists, while non-owners found financial considerations and word-of-mouth relatively more important for potential purchases.





1. Introduction





Organisation of APAC Trak KOR 2024

Organisation

- Principal of the project APAC Trak KOR 2024 are: EHIMA and KHIMA.
- Anovum Zurich developed the concept of APAC Trak KOR, designed the questionnaire and conducted the fieldwork in cooperation with a panel company. Furthermore, Anovum analyzed the data and prepared the presentation.
- The European Hearing Instrument Manufacturers Association [EHIMA] approved the questionnaire.

Use of the data

- The principal may use the anonymous delivered tables, charts, reports and conclusions of the survey for further research projects, for archiving and publication in any form whatsoever.
- The raw dataset remains at Anovum. If the principal uses the anonymous data (delivered tables, charts, reports) and conclusions of the survey for publications the source of the data needs to be mentioned in the following way:

"Source: Anovum – APAC Trak KOR/2024/n=[relevant sample size]"

• Member companies of the principal can ask Anovum to further analyse the raw data in specific ways at their own expense.





Recruitment process: In search of hearing impaired people

Step 1: Screening interviews

Objective: Prevalence of hearing loss and hearing aid ownership

Process:

- 1. Representative sample with strict quotas that represent the overall population (Age/Gender interlocked; soft quota on region)
- 2. Contacts from large panellist pools
- 3. Screening questionnaire: Stated hearing loss and hearing aid usage + demographics
- 4. Result: Representative sample of **n=15'416** people based on census data.

Step 2: Target population interviews

Objective: Details about satisfaction with hearing aids and reasons for non-adoption

Process:

- 1. Main questionnaires: Owners and hearing impaired non-owners
- 2. Balancing through weighting according to representative screening interviews
- 3. Resulting sample: **n=618** hearing impaired non-owners and **n=395** hearing aid owners





2. Market overview



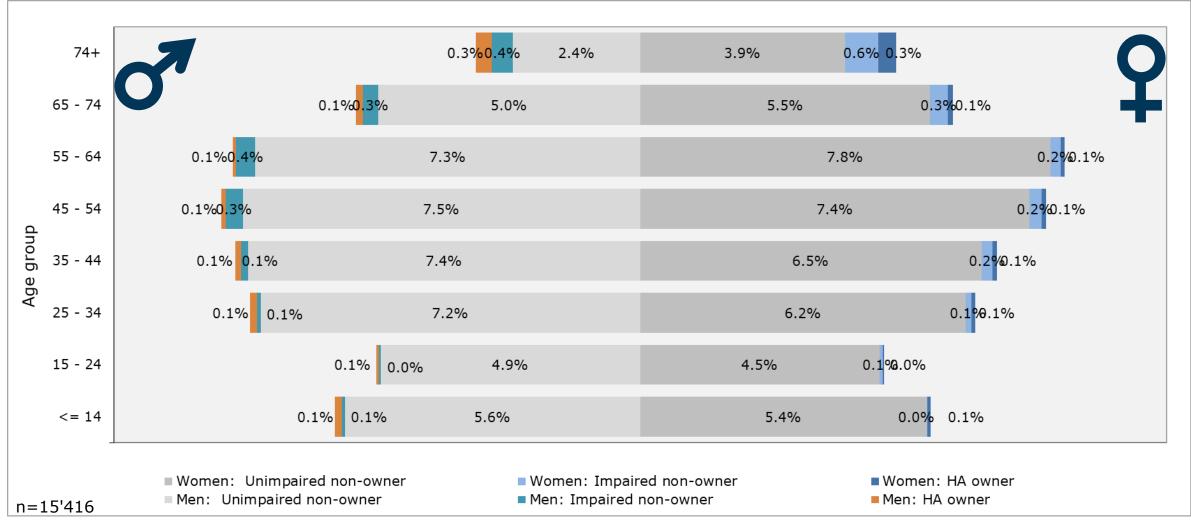


Prevalence of hearing loss and adoption rate





Hearing loss and hearing instrument ownership by gender/age



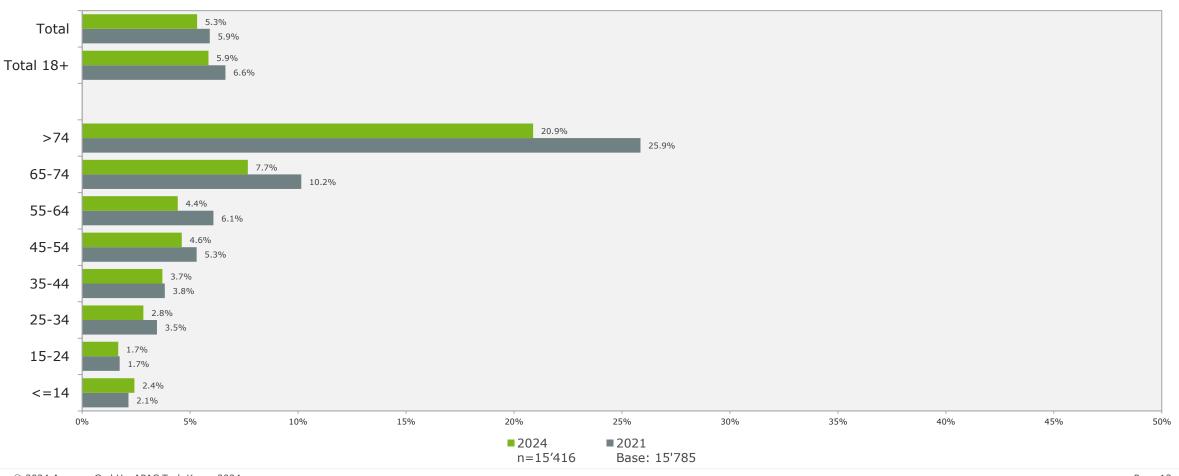
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Hearing loss prevalence KOR Self-declared hearing loss

% hearing loss prevalence

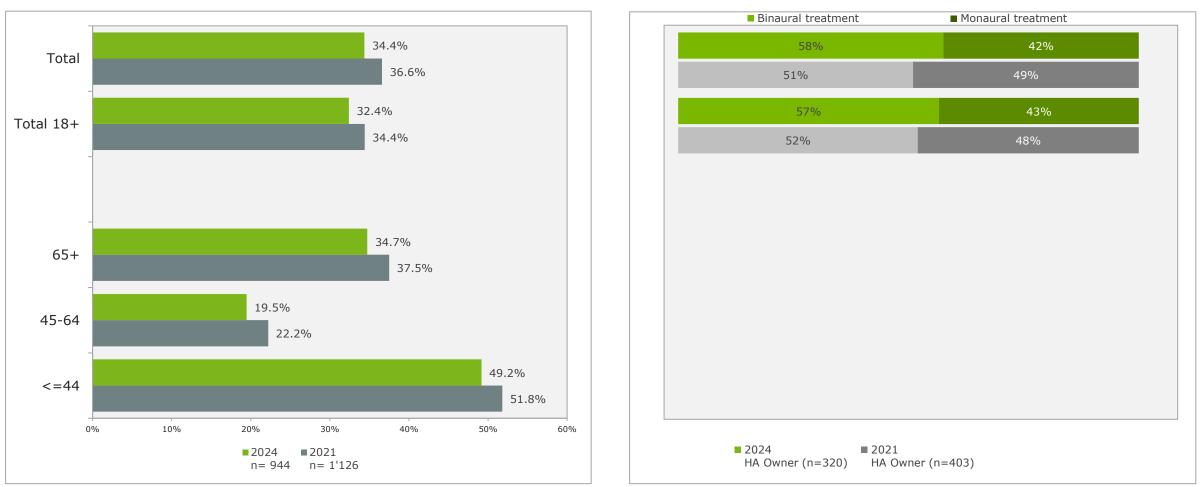






Hearing aid adoption rate: 34% of the hearing impaired have hearing aid(s), and 58% of them have binaural treatment

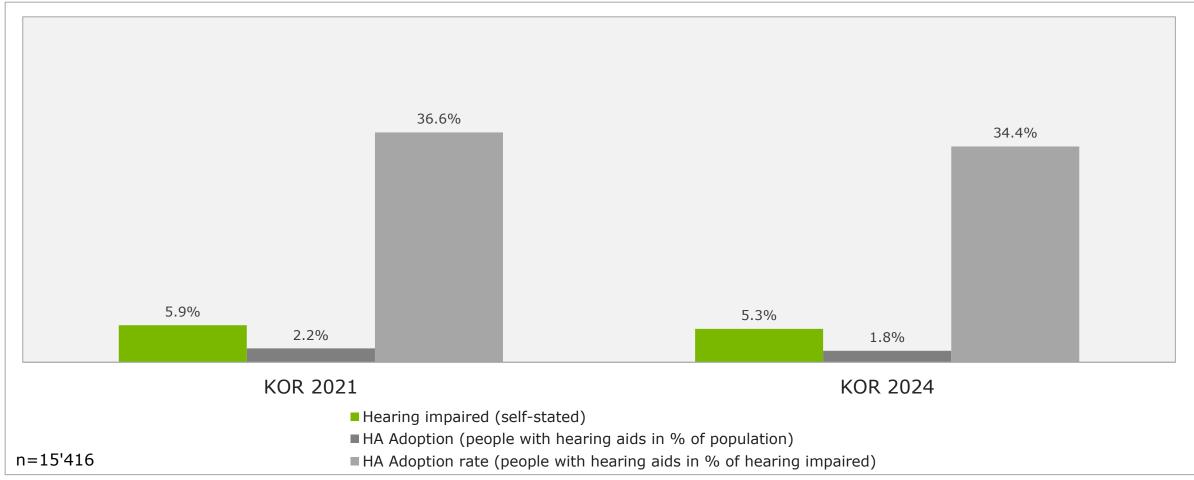
% of hearing impaired







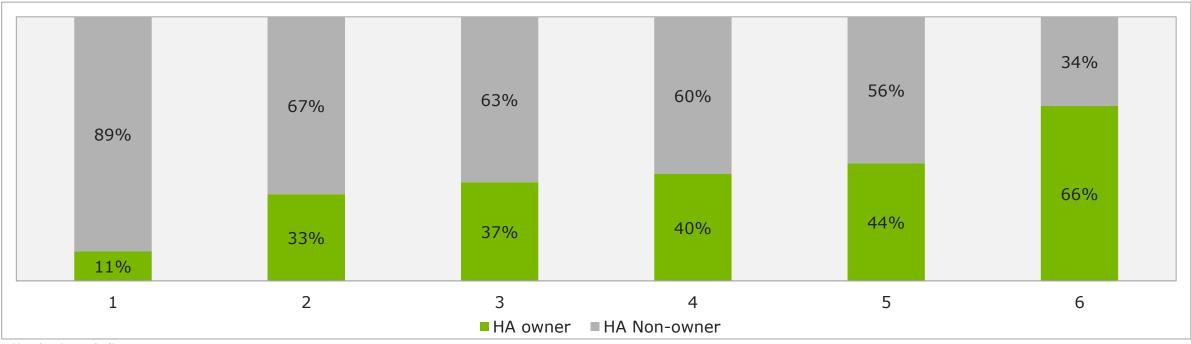
Overview of hearing loss prevalence and hearing aid adoption







The more severe the hearing loss, the higher the adoption rate



Hearing loss sixtile-groups

* Construction of 6-groups: A factor analysis was performed to identify one factor "degree of hearing loss". The following questions were included in the factor:

- Number of ears impaired (one or two)
- Stated hearing loss (Mild to Profound)
- Scores on 6 APHAB-EC like questions (Scaled 1-5)
- When NOT using a hearing aid, how difficult is it for you to follow conversations in the presence of noise

 \rightarrow People were segmented into 6 groups of same size (16.67% of all hearing impaired in the sample).

HA Owner n=395 HA Non-owner n=618





Hearing loss

Hearing loss characteristics: Owners compared to non-owners

	HA Non-owner n=618	HA Owner n=395	Hearing Aid Adoption (%)
Ears impaired (stated)			
Unilateral loss	59%	33%	27%
Bilateral loss	41%	67%	52%
Perceived loss			
Mild	51%	17%	16%
Moderate	30%	40%	43%
Severe	15%	32%	56%
Profound	4%	11%	

* combined "severe" and "profound" because n is too small





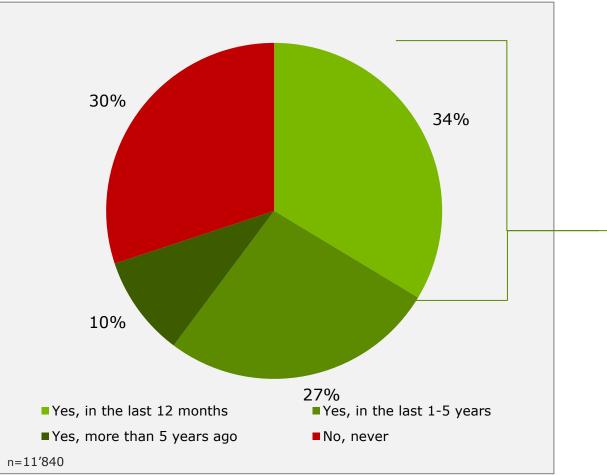
Hearing tests and where hearing is tested



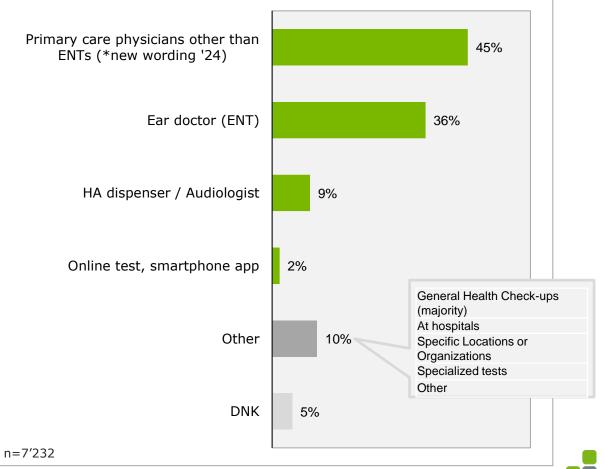


Hearing Tests: About 60% had a hearing test in the last five years, most tests done by Family doctors

Have you ever taken a hearing test?



Where/how was your hearing tested?



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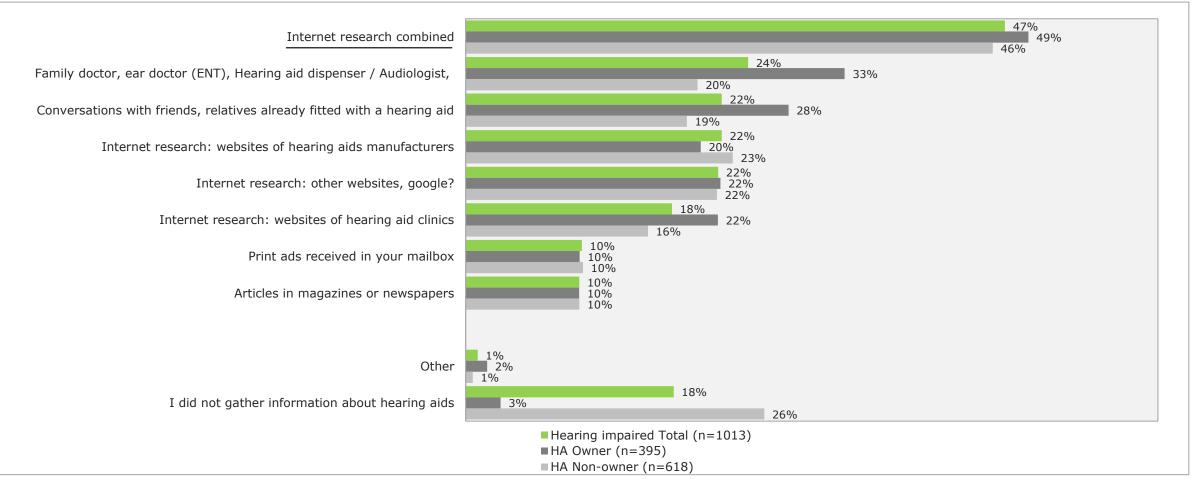
The route to the hearing aid: Sources of information and drop-out rates





Internet research emerges as the primary source for hearing aid information, followed by medical professionals and other hearing aid users

Where did you gather information about hearing aids?

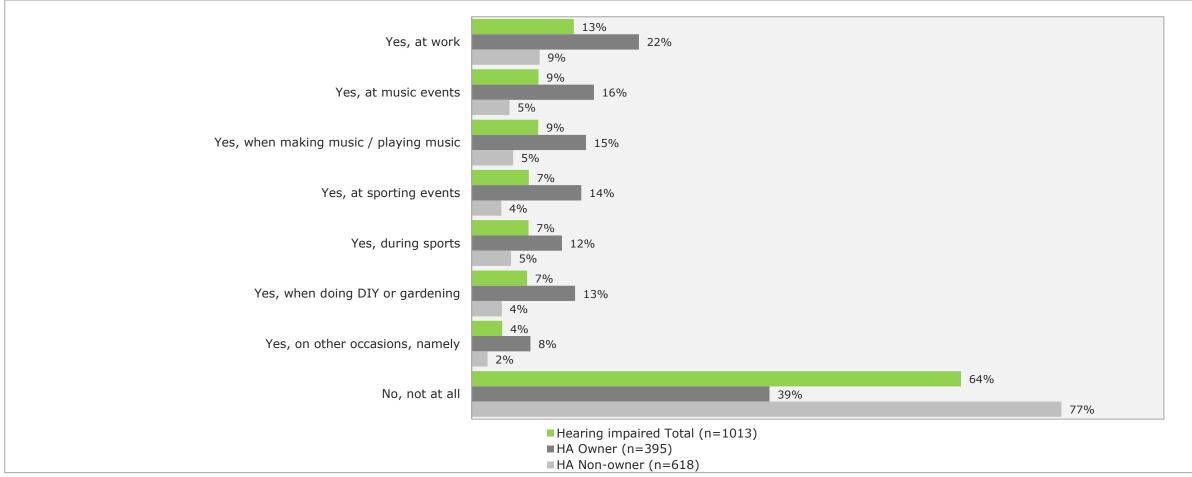






Usage of hearing protection by hearing impaired

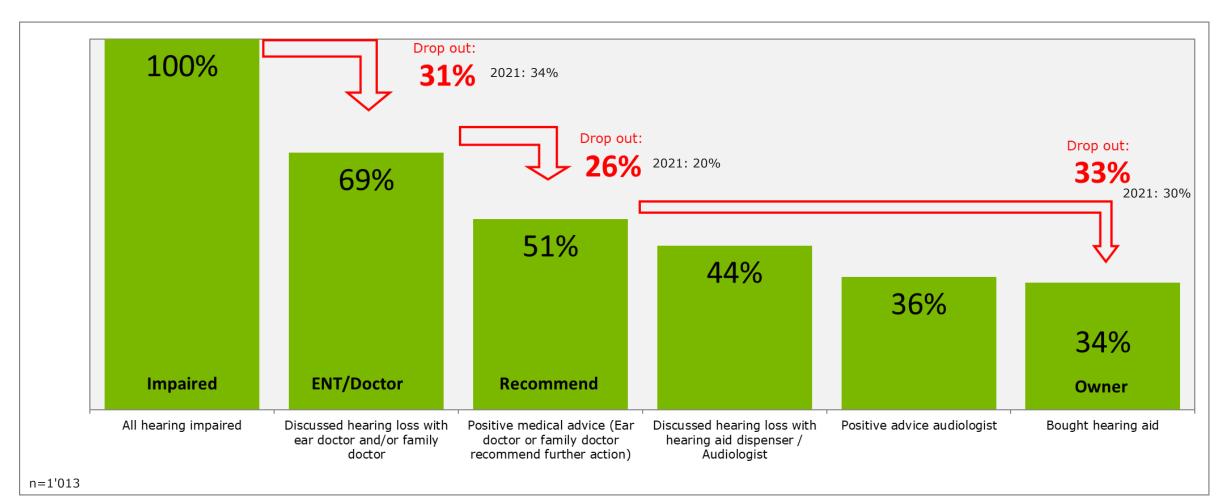
Do you use hearing protection at least occasionally?







The route to the hearing aid



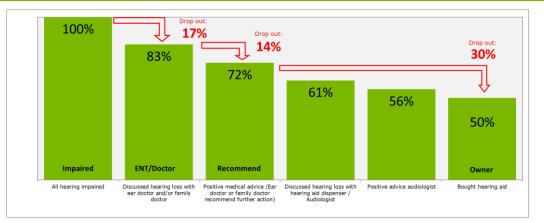
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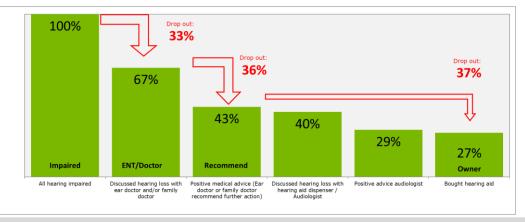


Much higher drop-out-rates for the lower hearing loss segments

Top 50% hearing loss*



Low 50% hearing loss*



* Construction of 6-groups: A factor analysis was performed to identify one factor "degree of hearing loss". The following questions were included in the factor:

- Number of ears impaired (one or two)
- Stated hearing loss (Mild to Profound)
- Scores on 6 APHAB-EC like questions (Scaled 1-5)
- When NOT using a hearing aid, how difficult is it for you to follow conversations in the presence of noise
- ightarrow People were segmented into 6 groups of same size (16.67% of all hearing impaired in the sample).

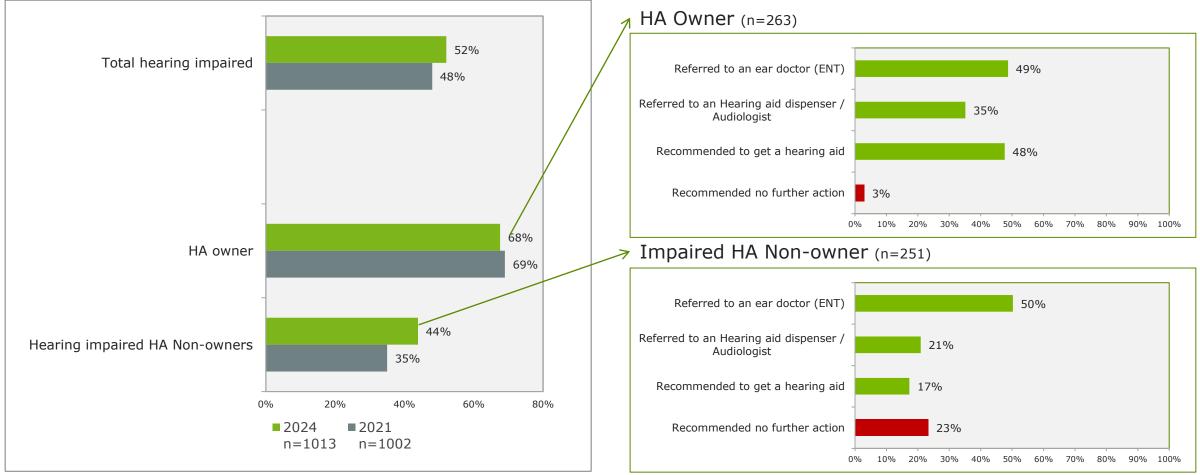




The route to the hearing aid: GP/Family doctor

Have you discussed your hearing problem with your family doctor?

% Discussed with GP



What did he/she recommend ?

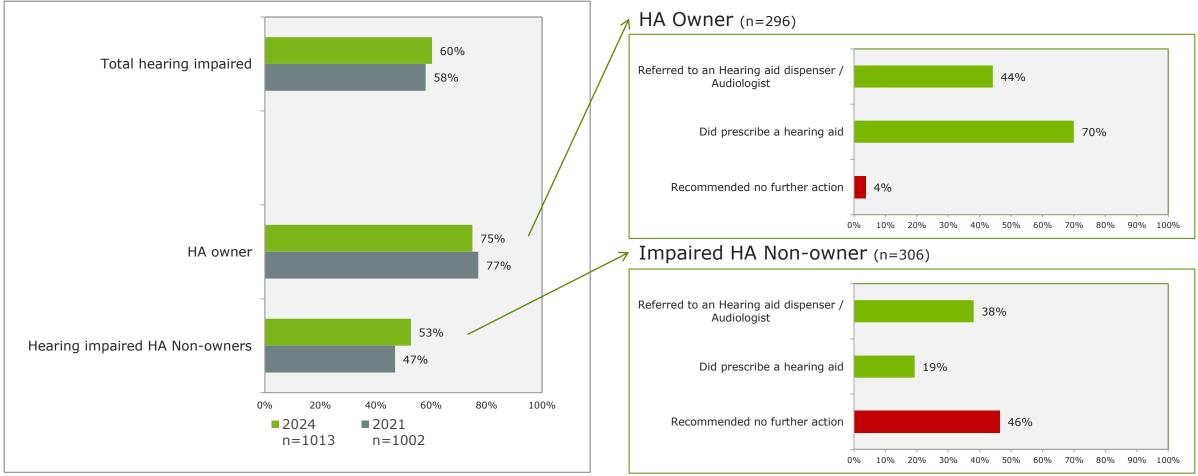




The route to the hearing aid: ENT

Have you ever discussed your hearing problem with an Ear, Nose and Throat specialist (ENT)?

% Discussed with ENT



What did he/she recommend ?

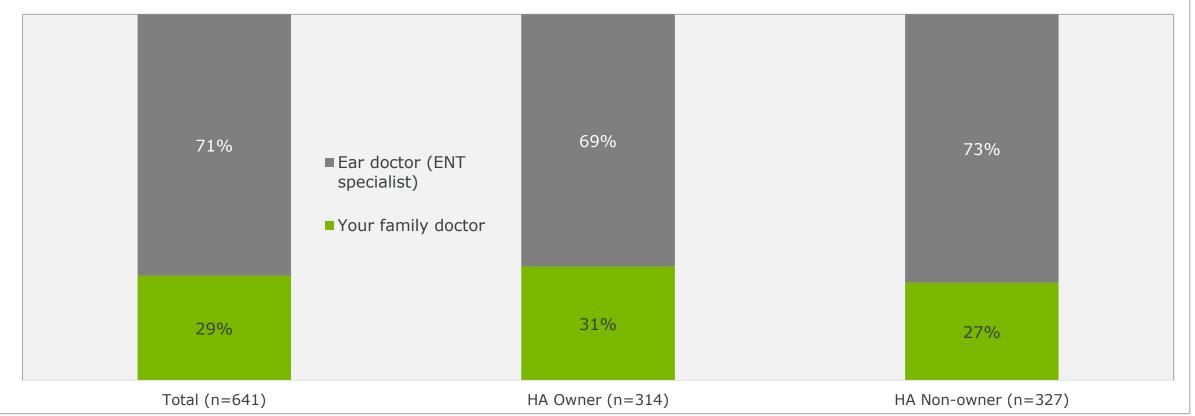




Among those who discussed their hearing loss with a doctor, 71% consulted an ENT first, while 29% spoke to a GP or family doctor first

Those who discussed hearing loss with family doctor and/or ENT:

Who was the doctor you discussed your hearing loss with for the **first time** – your family doctor or the Ear, Nose and Throat specialist (ENT)?





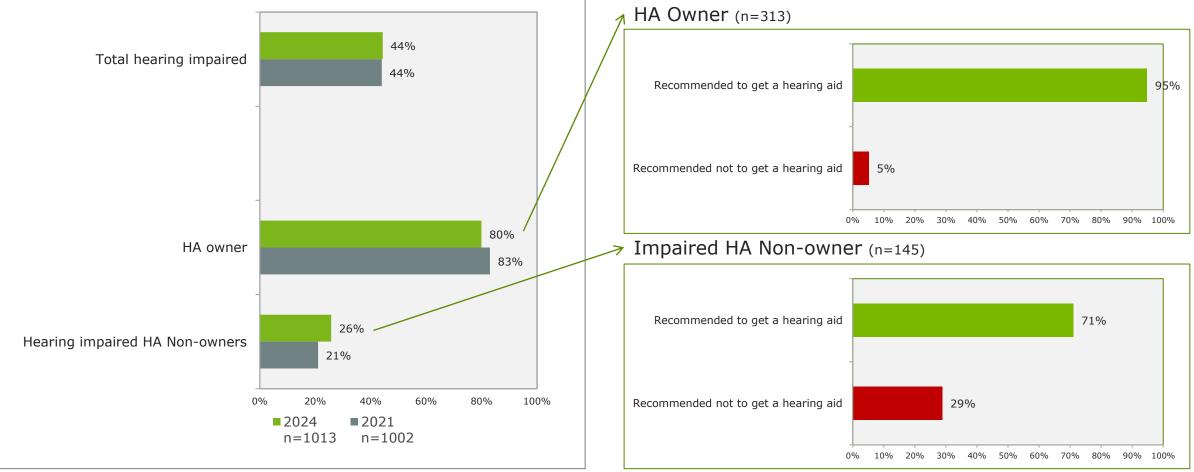


What did he/she recommend ?

The route to the hearing aid: Audiologist

Have you ever discussed your hearing problem with a HA dispenser / Audiologist?

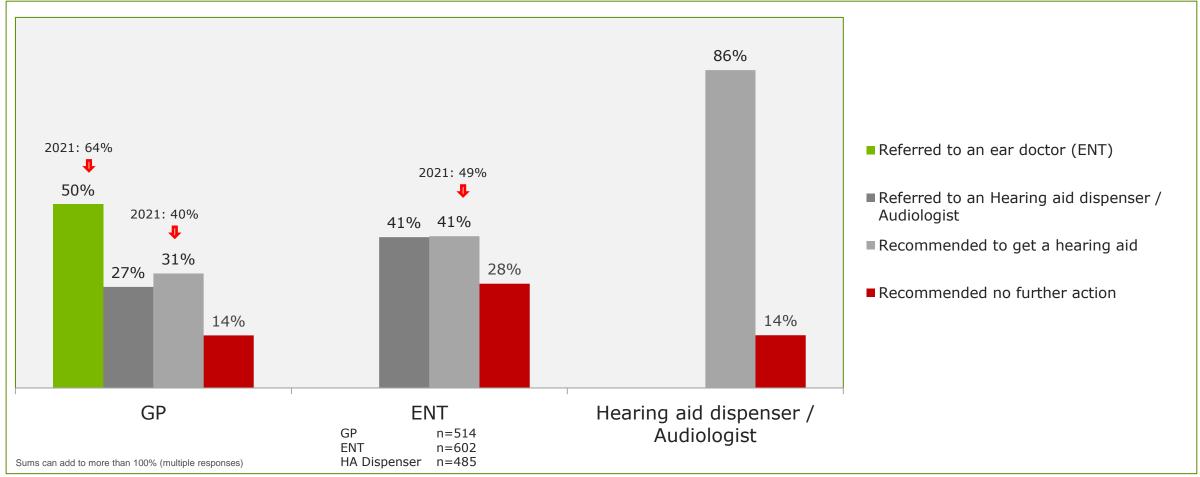
% Discussed with HA dispenser/ Audiologist







Recommendations by profession



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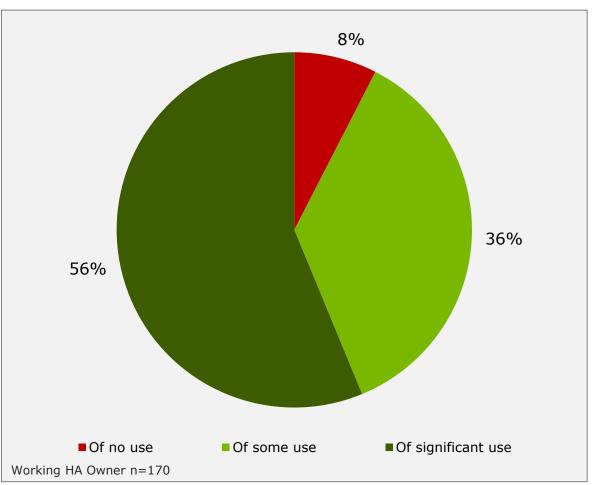
Potential social cost-savings due to the use of hearing aids: Work competitiveness, depressive symptoms, sleep quality, co-morbidities





Work competitiveness: 92% of the working hearing aid owners state that their hearing aid(s) are useful on their job

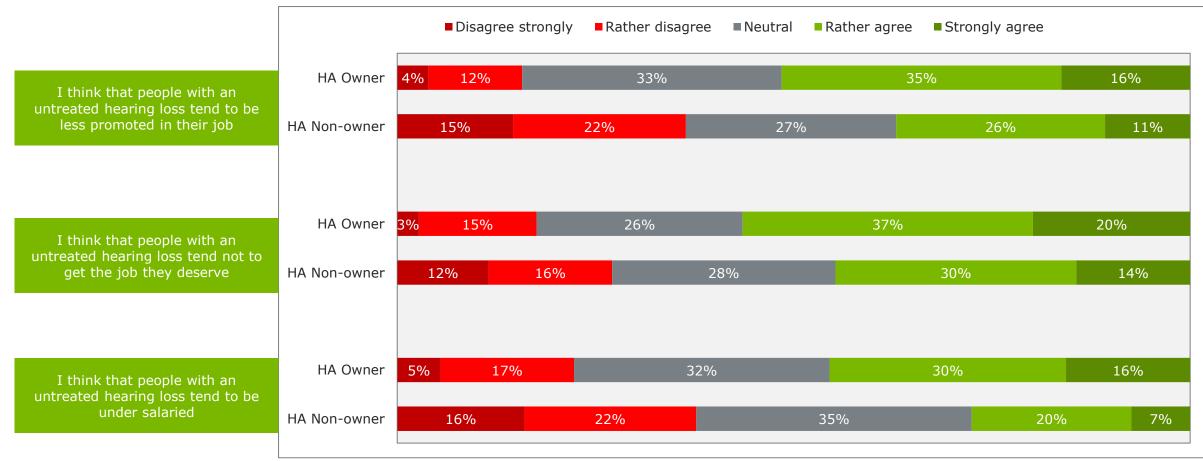
How useful are your hearing aids on your job?







Work competitiveness: People with hearing aids recognize that hearing aids increase the chance of hearing impaired getting promoted, getting the right job and to get a higher salary



HA Owner n=355 / HA Non-owner n=555

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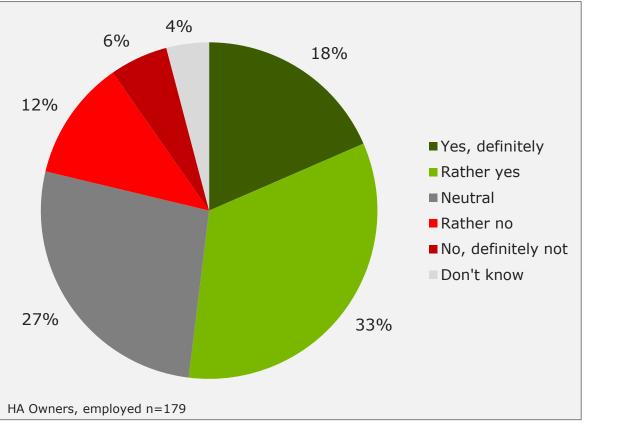
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51% of employed individuals using hearing aids believe the devices enable them to work longer

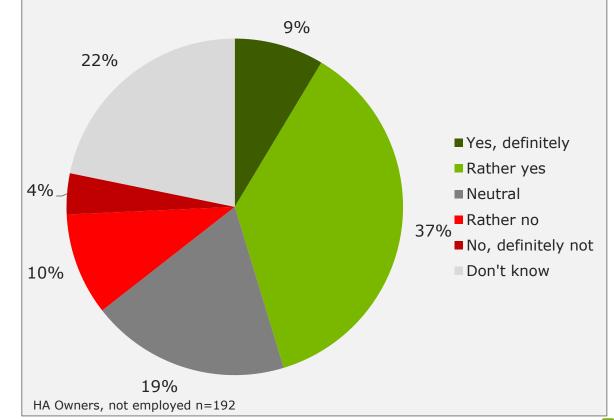
HA Owners, employed:

Do you believe that due to your hearing aid provision you can be employed longer than without hearing aid(s)?



HA Owners, NOT employed :

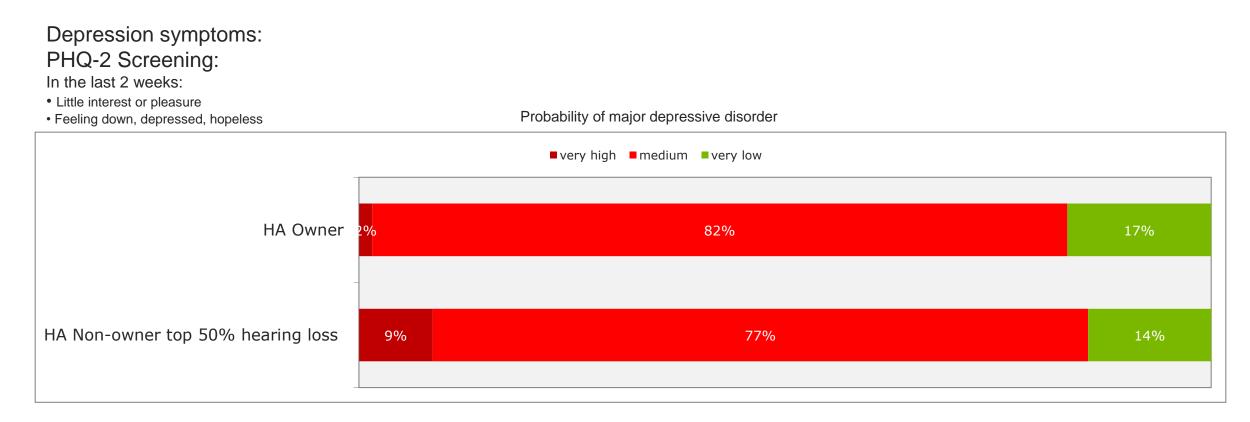
Do you believe that due to your hearing aid provision you could have been employed longer than without hearing aid(s)?







General health problems: Hearing aid owners tend to have a lower risk of being depressed (PHQ-2 Screening) compared to impaired non-owners with comparable hearing loss (Top50% hearing loss group*)



HA owner n=204 / HA Non-owner top 50% hearing loss n=97

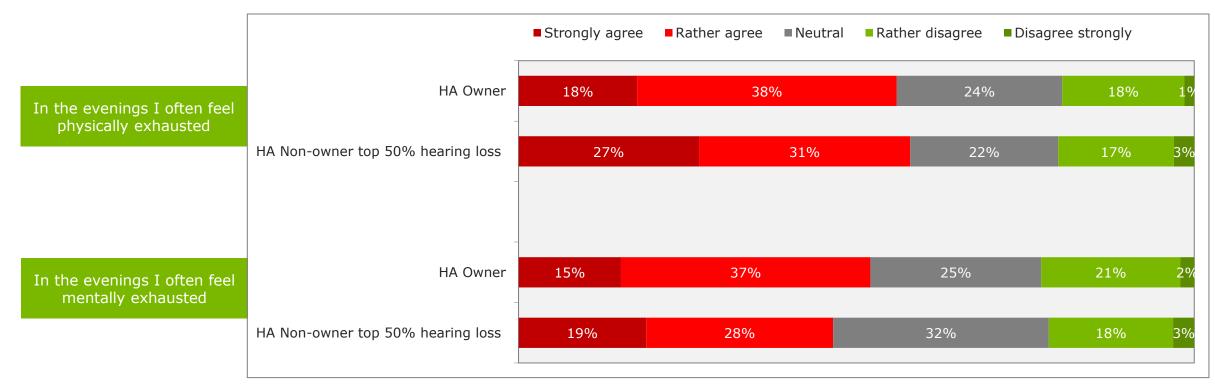
*Construction of 6-groups: A factor analysis was performed to identify one factor "degree of hearing loss". The following questions were included in the factor:

- Number of ears impaired (one or two)
- Stated hearing loss (Mild to Profound)
- Scores on 6 APHAB-EC like questions (Scaled 1-5)
- When NOT using a hearing aid, how difficult is it for you to follow conversations in the presence of noise
- ightarrow People were segmented into 6 groups of same size (16.67% of all hearing impaired in the sample).





General health problems: Compared to individuals with significant hearing loss who do not use hearing aids (Top 50% hearing loss group*), hearing aid users are less likely to feel severely physically exhausted in the evenings.



HA Owner n=203 / HA Non-owner top 50% hearing loss n=97

*Construction of 6-groups: A factor analysis was performed to identify one factor "degree of hearing loss". The following questions were included in the factor:

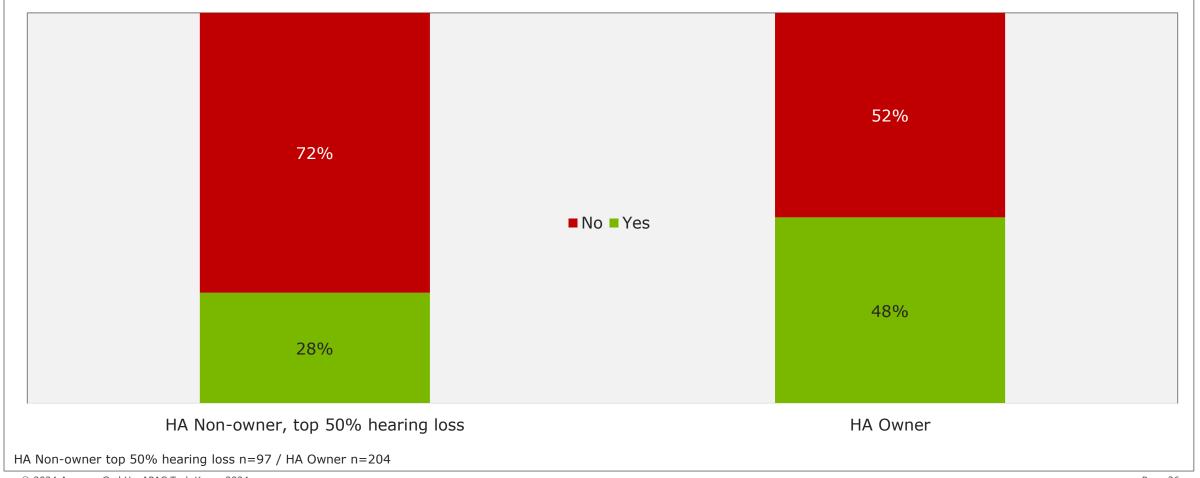
- Number of ears impaired (one or two)
- Stated hearing loss (Mild to Profound)
- Scores on 6 APHAB-EC like questions (Scaled 1-5)
- When NOT using a hearing aid, how difficult is it for you to follow conversations in the presence of noise
- \rightarrow People were segmented into 6 groups of same size (16.67% of all hearing impaired in the sample).





General health problems: Quality of sleep seems to improve if hearing impaired use hearing aids

Are you generally satisfied with the quality of your sleep?

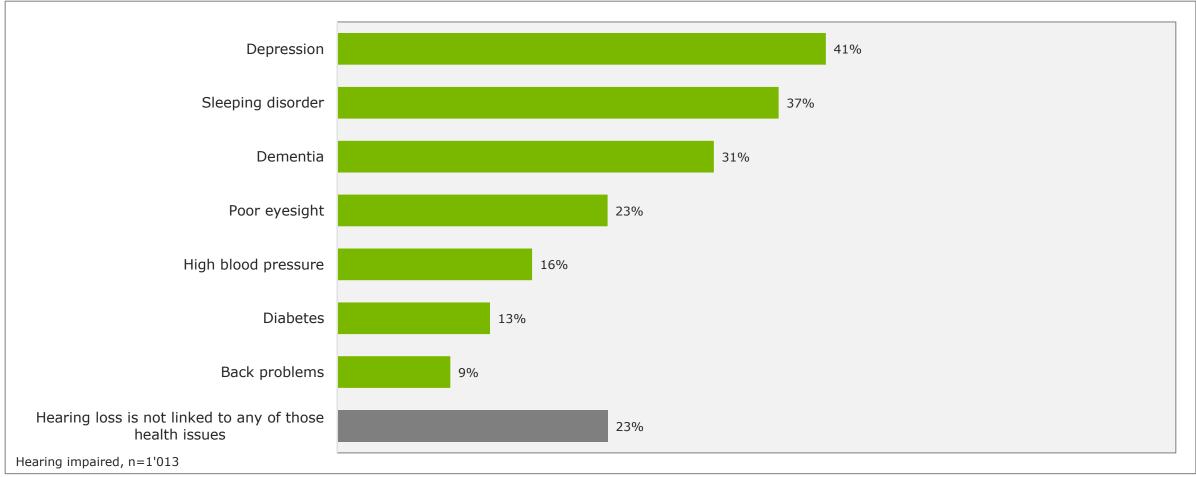






41% of all hearing-impaired think that hearing loss could be linked to depression

Please tick all of the health issues below which you think could be linked to one's hearing loss.







3. Analysis of hearing aid owners



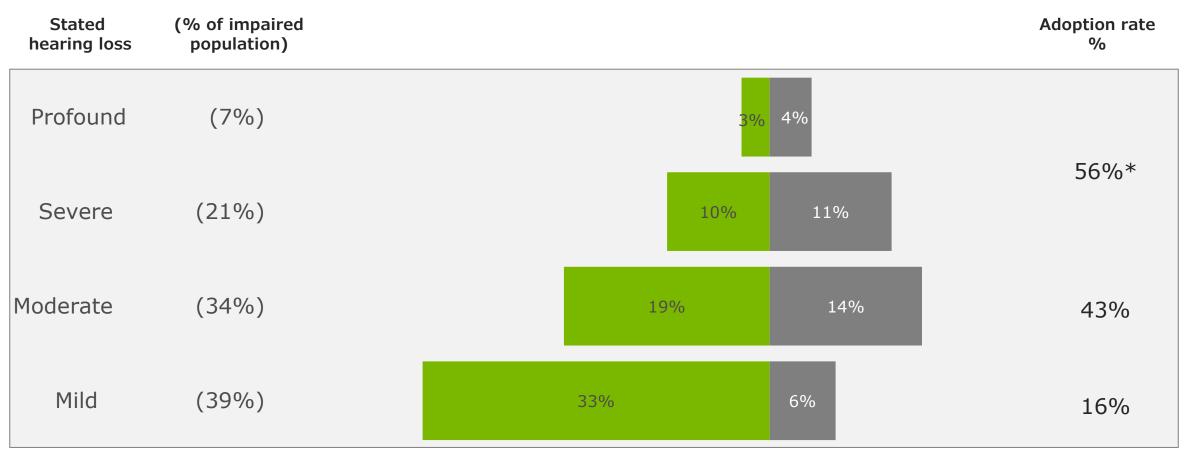


Hearing aid ownership, awareness of hearing loss before getting hearing aids, lifetime of hearing aids and usage





Low adoption rates within mild hearing loss



HA Non-owner

■HA Owner

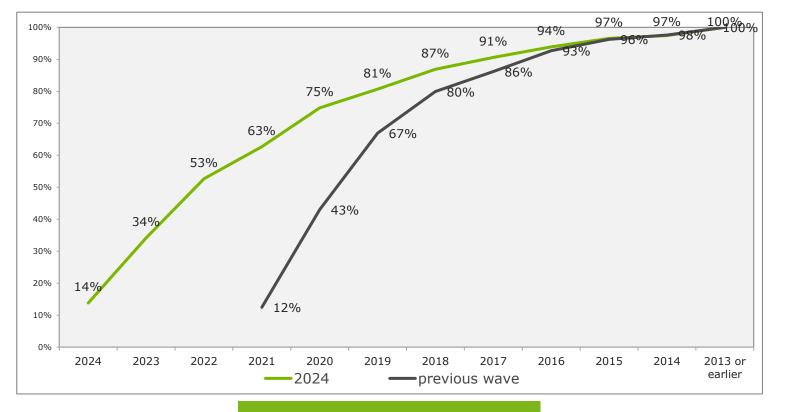
Sums can differ from 100% due to rounding * combined "severe" and "profound" because n is too small



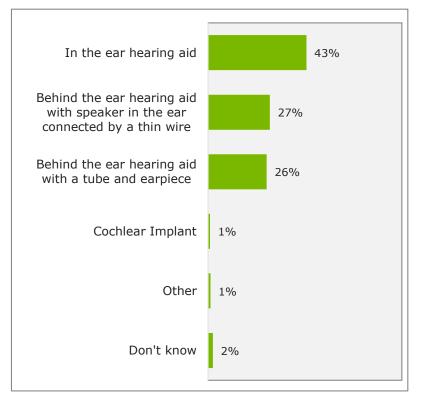


53% of the currently owned hearing aids (HAs) were acquired in 2022 or later. In-the-ear (ITE) hearing aids are the most frequently purchased type

Year of purchase



Type of HA



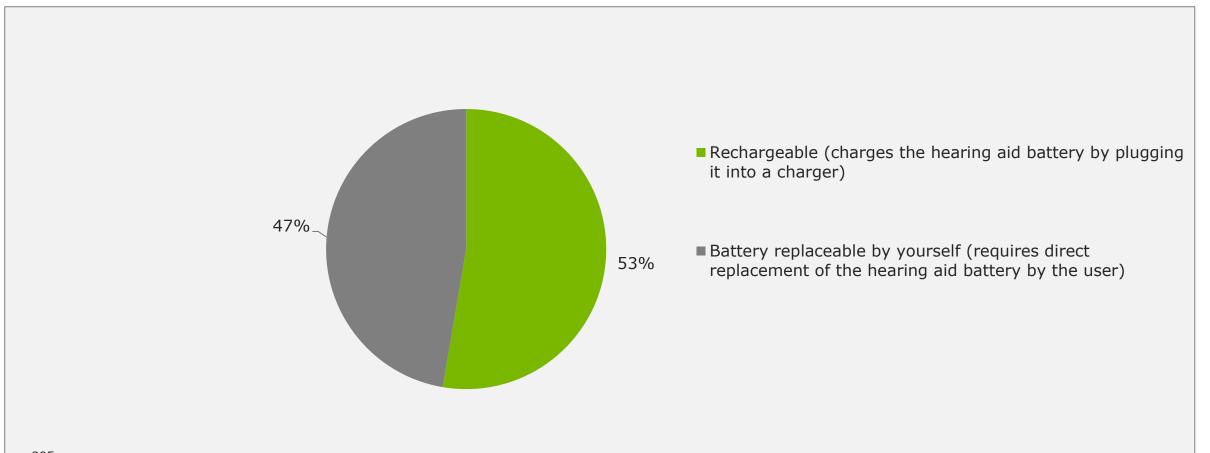
Age of currently owned HAs (Mean): 2024: 3.5 years 2021: 3.0 years





About half have rechargeable hearing aids

The hearing aid you are currently using is...

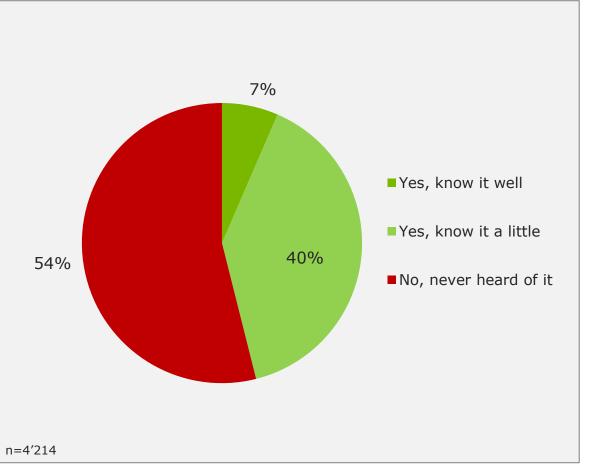




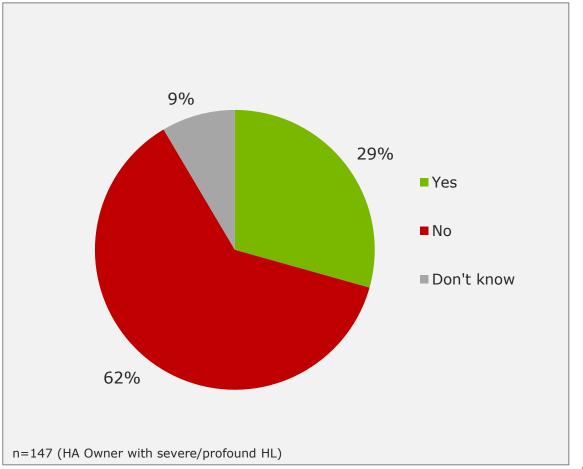


54% of the population in KOR have never heard of Cochlear Implants. 29% of the HA owners with severe/profound HL have been informed about CIs by a medical professional

Do you know what a cochlear implant (CI) is?



Have you been informed about cochlear implants by a medical professional?



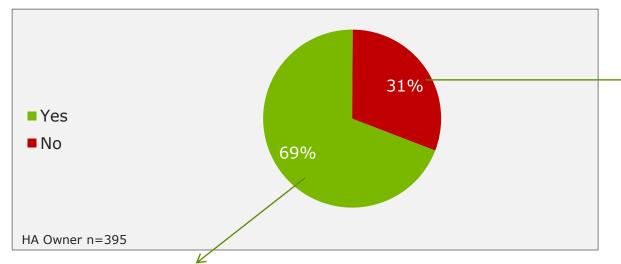




Hearing aids are used for five years before they are replaced.

Mostly more than three years pass between becoming aware of the hearing loss and purchasing hearing aids

Current HAs = first HAs?

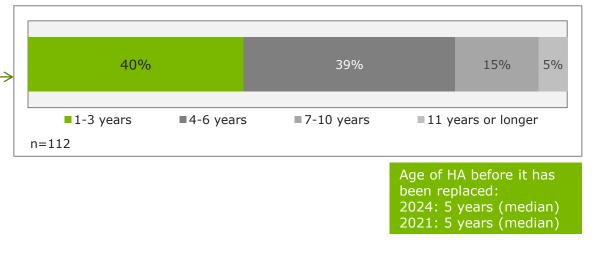


HA Owner (1st HA):

Thinking back before you acquired your first hearing aid: How many years have passed since you became aware of your hearing loss until you acquired a hearing aid?

	30%		20% 25%			15%	9%
	■1 year	■2 years	■3 years	■4-6 years	m	ore than 6 yea	ars
n=2	261						

How many years did you own your previous HAs?



HA Non-owner:

How many years had passed since you became aware of your hearing loss?

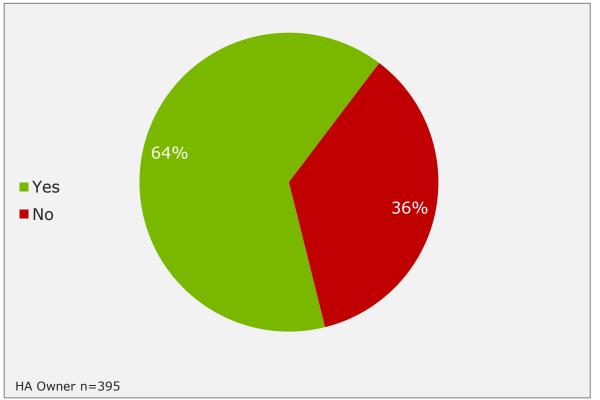


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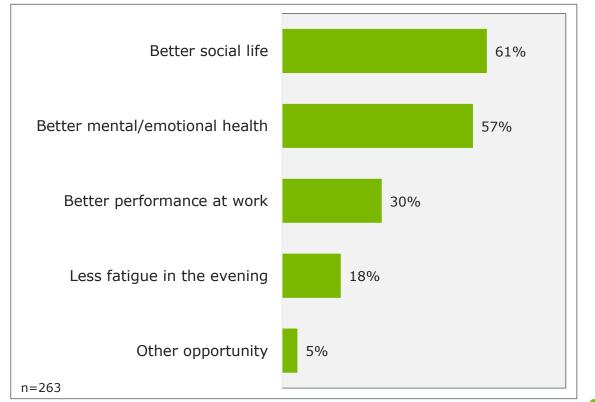
64% of all HA owners think they should have gotten their HAs sooner! The main reason is missing out on social life and mental/emotional health

Thinking back before you obtained your first hearing aid(s): do you think, you should have gotten them sooner?



IF YES:

What are the reasons why you think you should have gotten your hearing aid(s) sooner? What are the opportunities you think you have missed because of this? Please tick all that apply.



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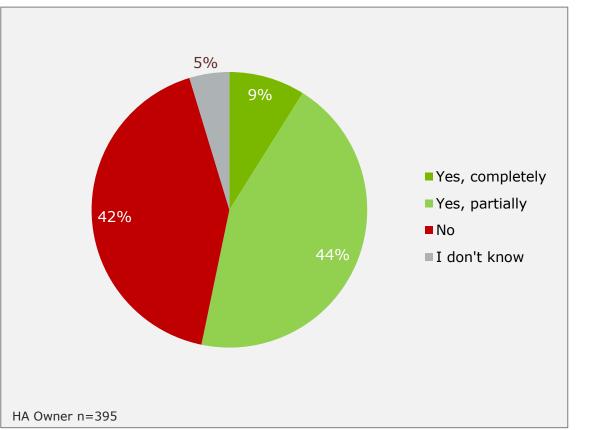


53% claimed some 3rd party reimbursement.

Only 19% of the hearing impaired without hearing aids think that a third party would pay for any part of hearing aids – most don't know

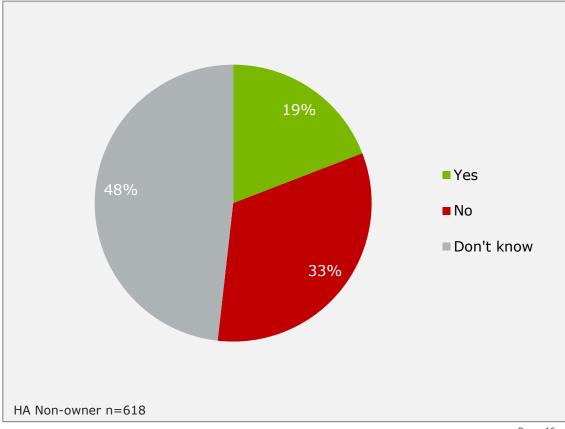
HA Owner:

Has your hearing aid been fully or partially paid for by a third party organization (Insurance, Government...)?



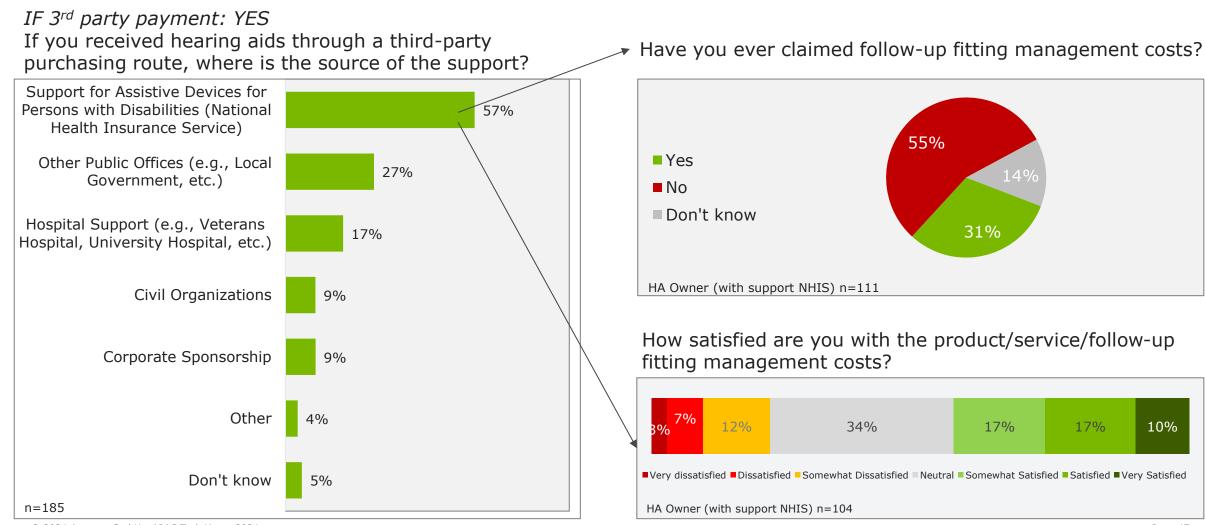
HA Non-owner:

Based on your current knowledge, would any part or all of your hearing aid(s) be paid for by a third party (Insurance, Government...)?





Details third party payment



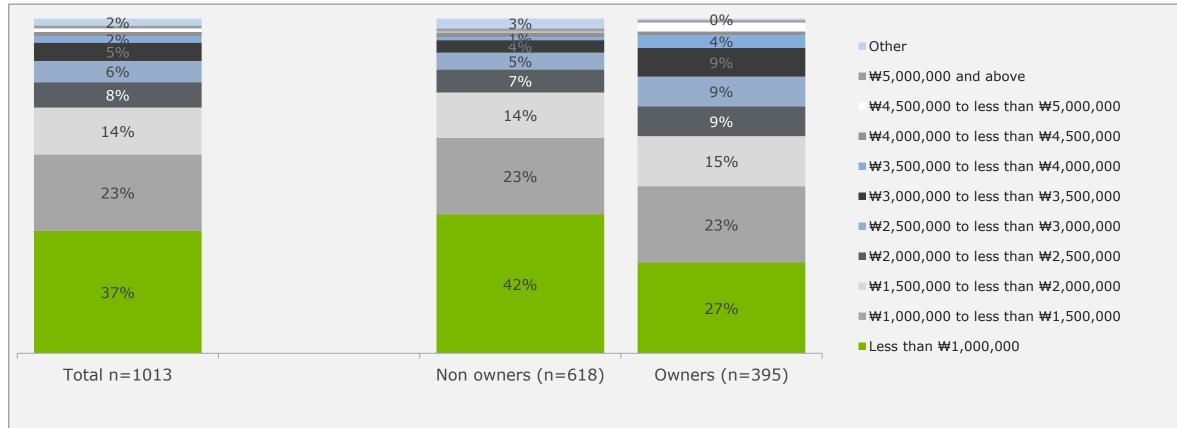
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Estimated price for hearing aids

What do you consider to be the appropriate price for hearing aids?



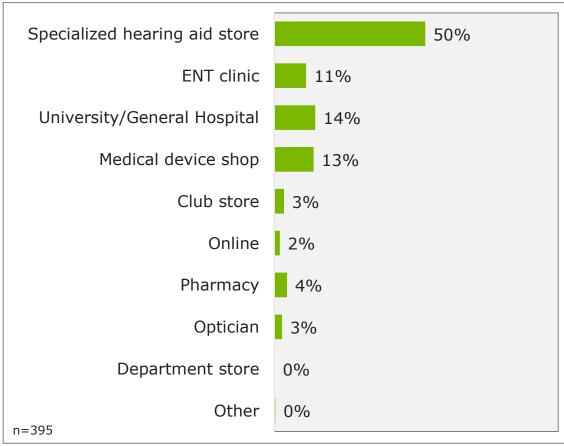




A specialized hearing aid store is the preferred place for obtaining hearing aids (both for owners and non-owners)

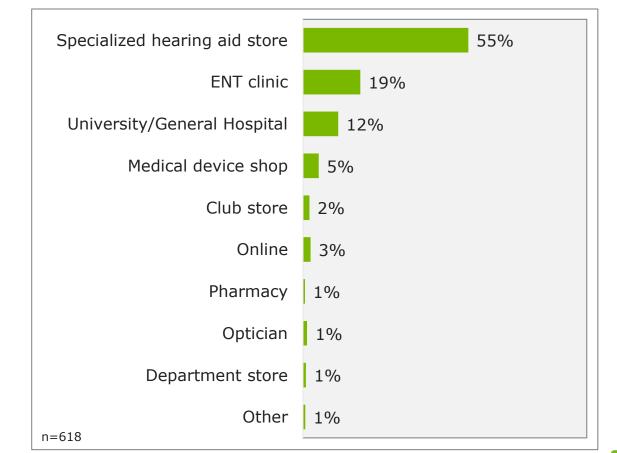
HA Owner:

Where was your most current hearing aid obtained?



HA Non-owner:

If you were to get hearing aids, where would you go?

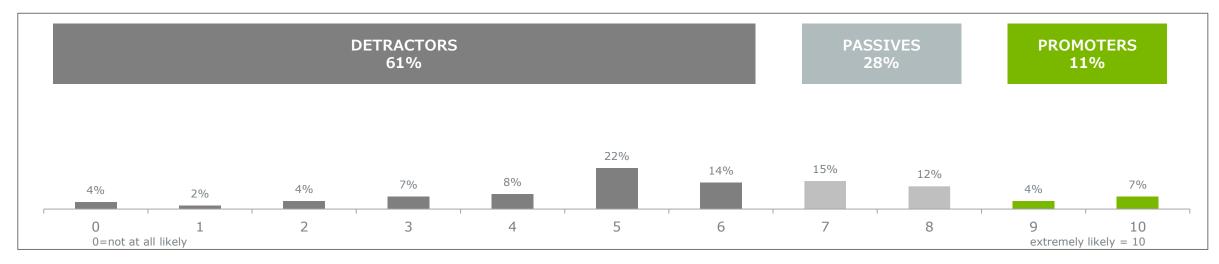






Recommendation intention of the place where the hearing aid(s) have been obtained: NPS score of -50

Considering your complete experience, how likely would you be to recommend the place where you obtained your hearing aids to a friend or colleague?



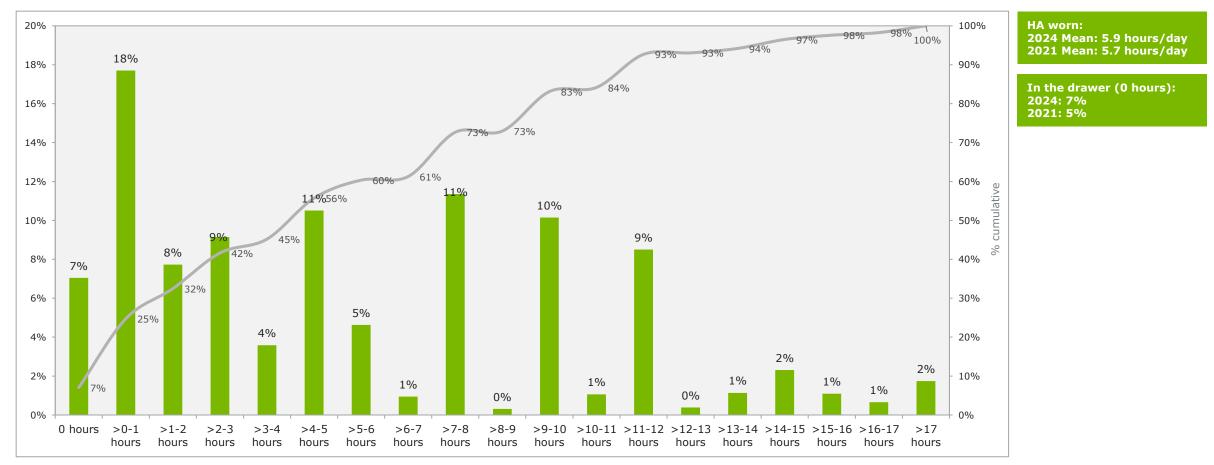
NPS = PROMOTERS - DETRACTORS = -50 (2021: -33) (exact figure rounded)





On average, HAs are worn 5.9 hours a day

How many hours a day are HA worn?



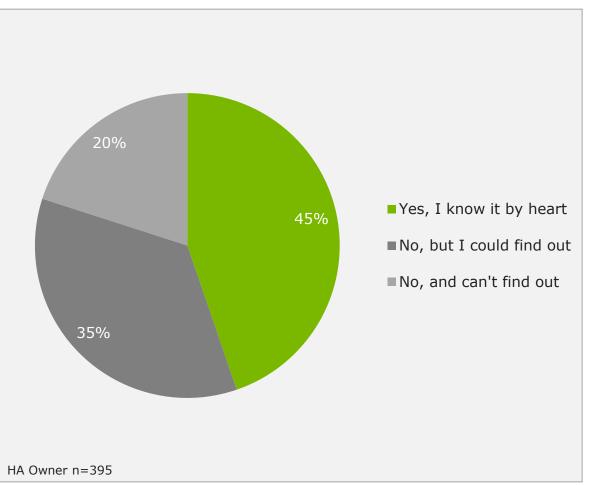
HA Owner n=395





45% of today's hearing aid owners are aware of their hearing aid brand

Are you aware of the brand of your hearing aid(s)?







33% of the HA owners use a hearing aid app, and 47% are satisfied with it

Have you been informed by your hearing care professional about hearing aid apps? (HA Owner n=395)

	■Yes	No	Don't know / no answer	17 70
35%			48%	17%

Do you personally use apps for your hearing aids? (HA Owner n=395)

33%		67%
	Yes No	

IF APPS USED (n=137):

Overall, how satisfied with the performance of your apps?

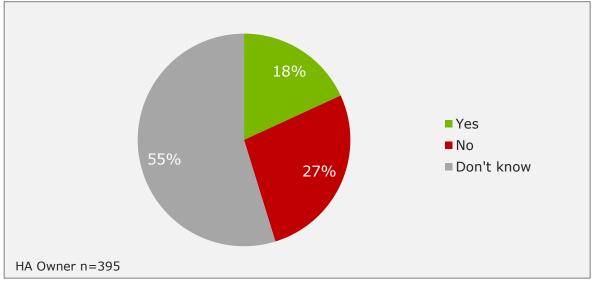
2.07		2.10/	100/		2004	1.10/	20/
2%	8%	24%	19%		30%	14%	3%
	Very dissatisfie	d Dissatisfied S	Somewhat Dissatisfied	Neutral	Somewhat Satisfied Satisfied	Very Satisfied	





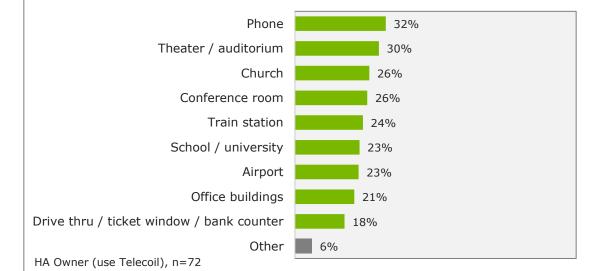
18% of the HAs are (to the knowledge of the owners) equipped with Telecoil — the main usage of telecoil is in the phone

Are your hearing aids equipped with Telecoil?

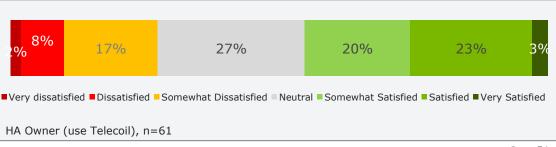


How often do you use the telecoil to improve your hearing?

15%	25%		10% 5%		
■Neve HA Owner (equi	er ■Rarely pped with Telecoil), n=7	■ Occasionally 2	Often	Ver	ry often



How satisfied are you with the telecoil option?



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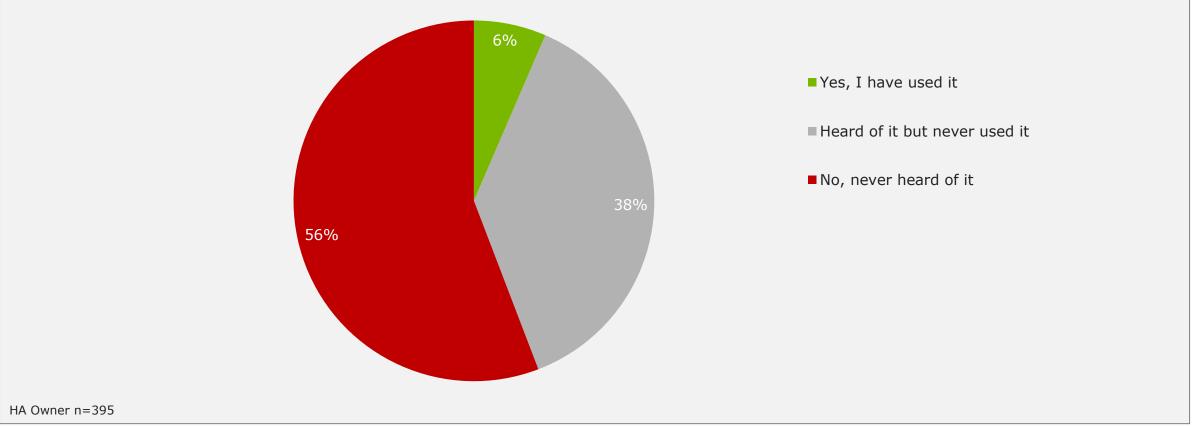
Where do you use your telecoil to improve your hearing?





6% of the HA owners have already used remote fitting, 38% have at least heard of it, and 56% have never heard of it

Have you ever heard of <u>Remote fitting</u> for your hearing aids? (Remote fitting: enables your hearing care professional to fit and fine-tune hearing aids from a distance (in realtime via video chat via an app), so that you don't need to leave your house to get your hearing aids adjusted)







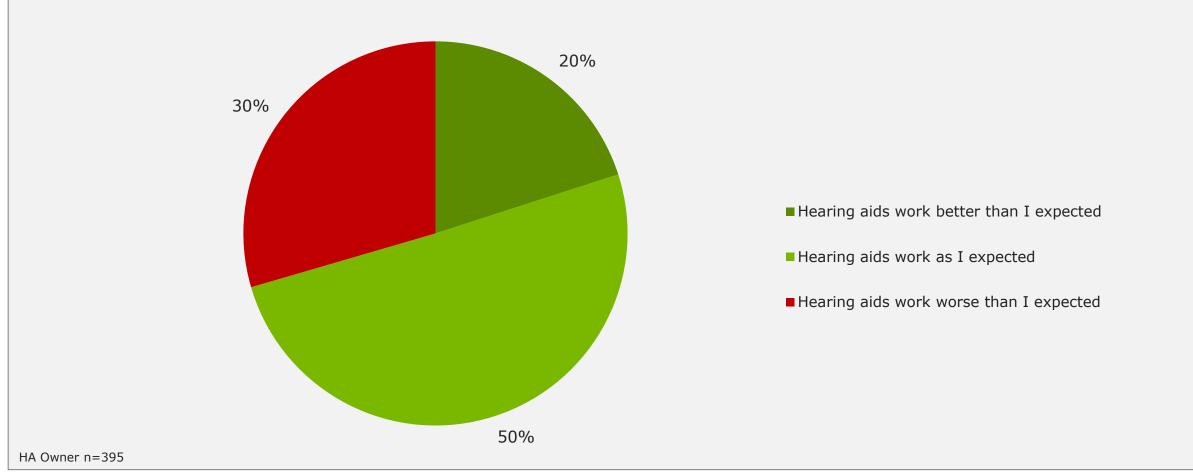
Satisfaction with hearing aids and drivers





70% of hearing aid owners say their hearing aid works better than or as expected

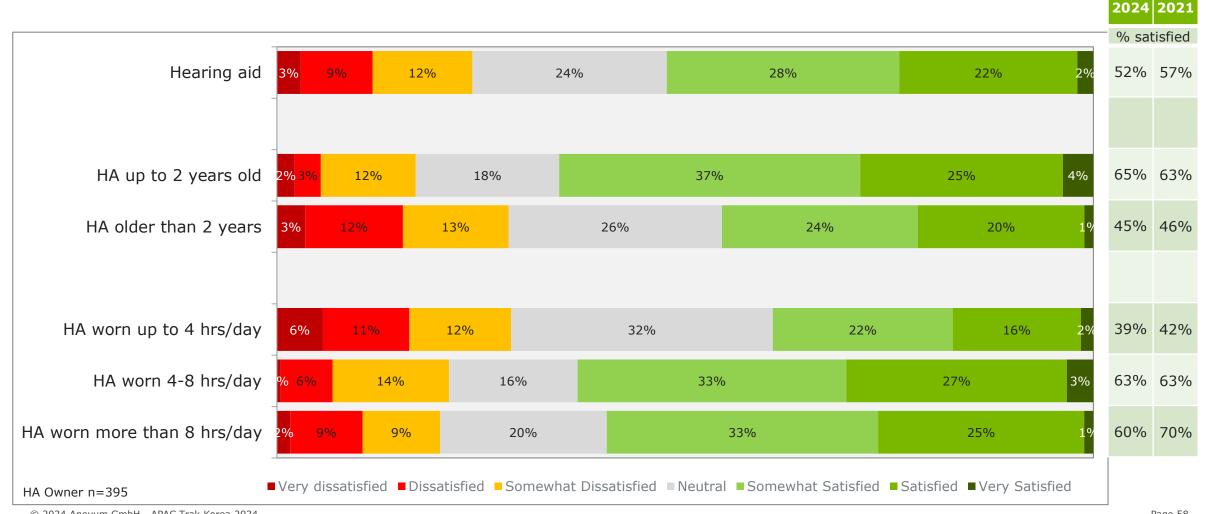
How have the expectations you had towards hearing aids before trying them on for the first time been met?







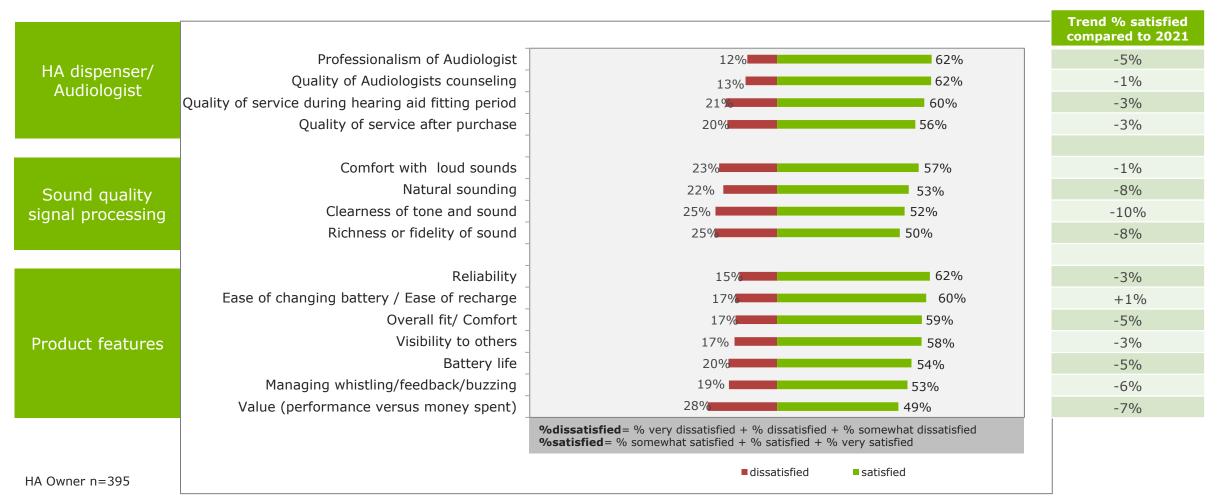
Overall satisfaction with HA: 52% of hearing aid owners are satisfied with their hearing aid(s)







Satisfaction with current hearing aids





Satisfaction with current hearing aids

				Trend % satisfied compared to 2021
	Watching TV	18%	63%	-1%
	Conversation in small groups	18%	62%	-3%
	At home with family members	16%	61%	-4%
	Listening to Music	17%	60%	-2%
	When riding in a car	15%	60%	-3%
	Outdoors	17%	59%	-6%
	In a larger lecture hall (e.g., theater, concert hall, place of	19%	59%	+3%
Listening	In a store, when shopping	20%	58%	-2%
situations	When talking to children	22%	58%	-2%
	Conversation with one Person	21%	58%	-9%
	On the telephone	19%	58%	-9%
	Leisure activities	20%	55%	-7%
	In school or a classroom (as an observer or student)	20%	55%	-9%
	At a movie theater	21%	55%	-8%
	In the workplace	18%	53%	-12%
	Conversation in large groups	24%	50%	-9%
	Use in noisy situations	29%	48%	-7%
		issatisfied= % very dissatisfied + % dissatis atisfied= % somewhat satisfied + % satisfied		
HA Owner n=395		■ dissatisfied	■ satisfied	



Factors influencing satisfaction with current hearing aids the most are: Reliability and Quality of service after purchase

Influence on overall satisfaction with HA*

	Quality of service after purchase	0.67
HA dispenser /	Quality of service during hearing aid fitting period	0.61
Audiologist	Professionalism of Hearing aid dispenser / Audiologist	0.60
	Quality of HA dispensers / Audiologists counseling	0.60
	Comfort with loud sounds	0.67
Sound quality	Richness or fidelity of sound	0.64
signal processing	Natural sounding	0.64
	Clearness of tone and sound	0.64
	Reliability	0.73
	Overall fit/ Comfort	0.61
	Value (performance versus money spent)	0.57
Product features	Managing whistling/feedback/buzzing	0.55
	Visibility to others	0.55
	Ease of changing battery / Ease of recharge	0.52
	Battery life	0.47

*The Influence has been calculated with a correlation: 0 means no relation between a criterion and overall satisfaction, 1 means a maximal relationship.

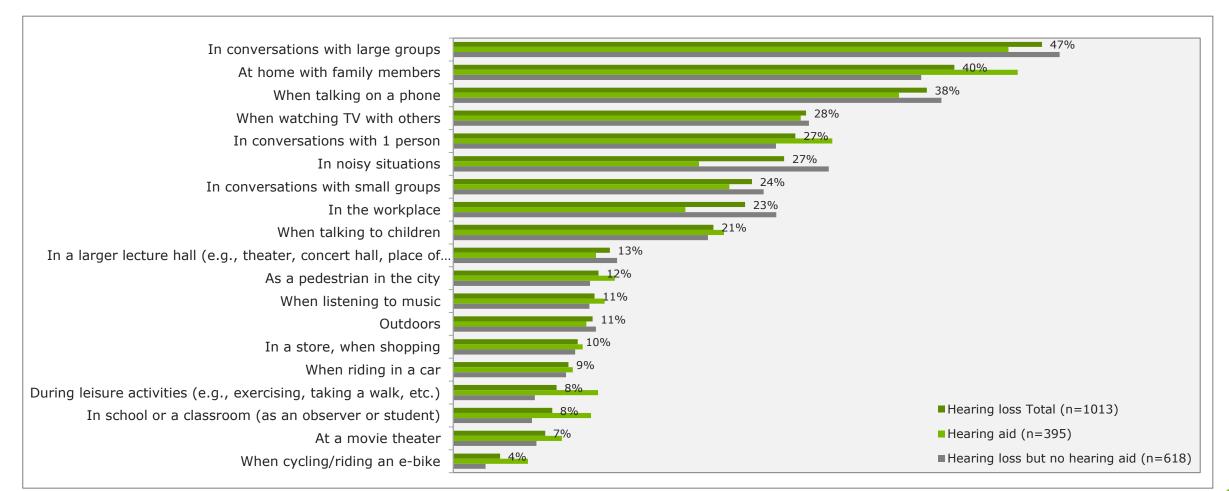
HA Owner n=395





The most important listening situations are conversations in large groups, interactions at home with family members, and phone conversations

In which of these situations is it most important for you to hear well? (choose up to 5)







Positive impact of hearing aids, quality of life





Hearing aids positively impact overall communication effectiveness, a sense of safety, and many other aspects of life

Since you started using your hearing aid(s), please rate the changes you have experienced in each of the following areas, that you believe are due to your hearing aid(s).

Overall ability to communicate more effectively in most situations	8%	30%	46%	14%
Sense of safety	7%	33%	46%	11%
Relationships at home	7%	36%	45%	11%
Feelings about yourself	7%	35%	41%	13%
Confidence in yourself	8%	35%	41%	14%
Relationships at work	5%	40%	41%	13%
Mental ability	7%	38%	42%	11%
Mental/emotional health	10%	35%	39%	14%
Sense of independence	9%	37%	39%	13%
Ability to participate in group activities	7%	41%	39%	12%
Social life	9%	39%	39%	11%
Success on the job	7%	40%	38%	12%
Physical health	9%	43%	34%	13%

HA Owner n=395

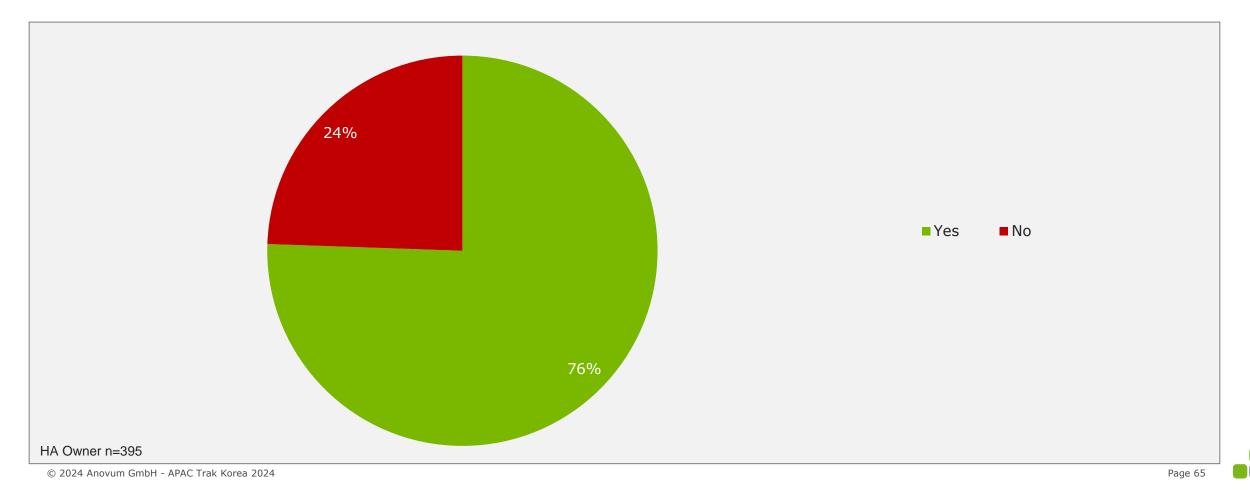
■ a lot worse ■ worse ■ the same ■ better ■ a lot better





76% of hearing aid owners feel more confident moving in a city since wearing hearing aids

Since wearing a hearing aid, do you feel more confident moving in a city, e.g. because you hear traffic signals/vehicles approaching?

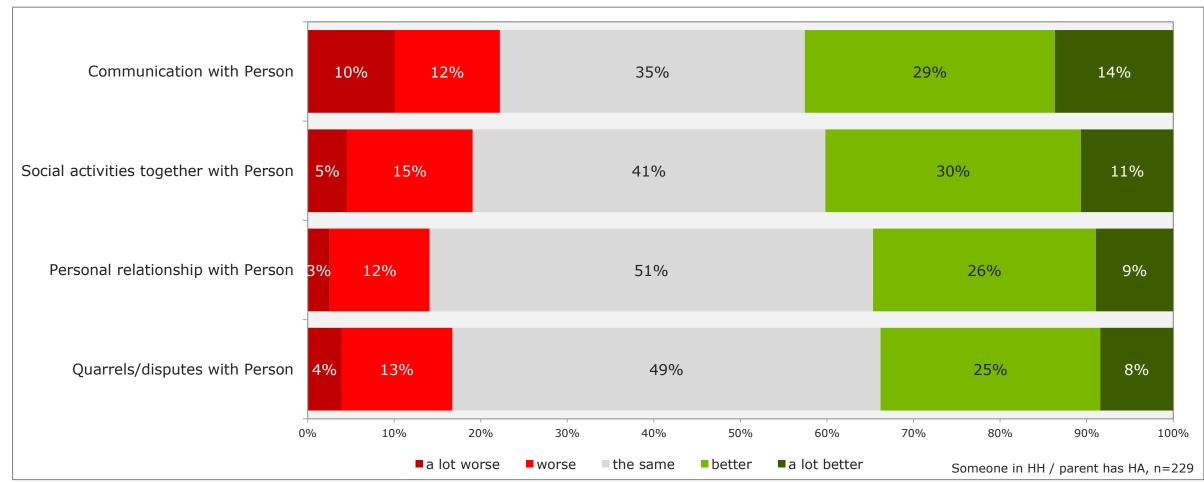






When someone with hearing loss wears hearing aids, it also improves the situation for others in the household

How did the following aspects change since person X is wearing hearing aids?

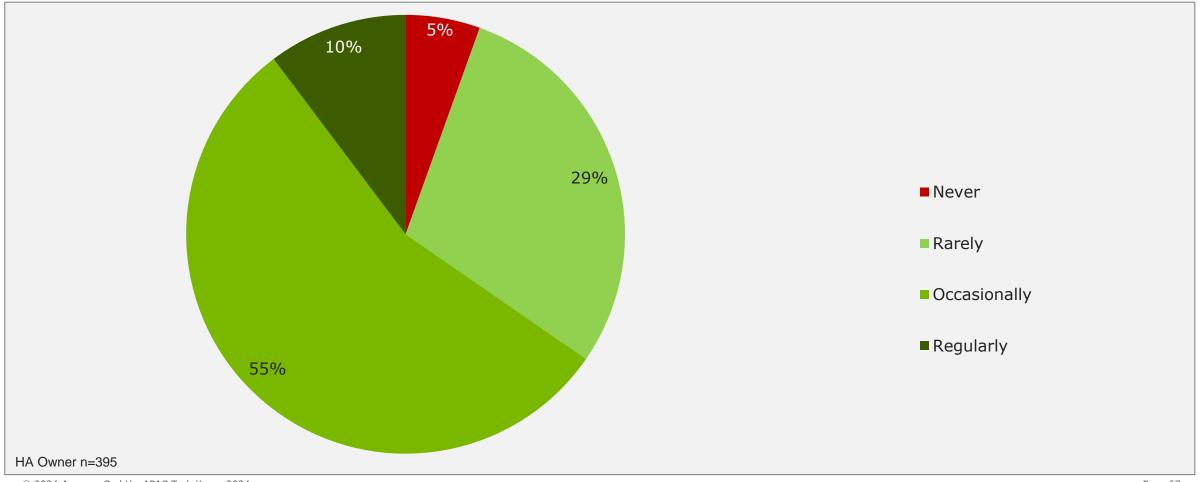






95% of hearing aid owners declare that their hearing aids improve their quality of life at least sometimes

How often do your hearing aids improve your quality of life?







4. Analysis of hearing impaired non-owners





To analyze reasons for non-adoption, we will examine the Top 50% HL group, as their hearing loss structure is more similar to that of HA owners

Hearing loss characteristics: Owners compared to Non-owners

			HA Non-owner low 50% HL n=279	HA Non-owner Top 50% HL n=172	
Ears impaired (stated)					
Unilateral loss	33%		66%	46%	
Bilateral loss	67%		34%	54%	
Perceived loss			More similar hearing loss-structure		
Mild	17%		64%	21%	
Moderate	40%		25%	41%	
Severe	32%		8%	30%	
Profound	11%		3%	8%	



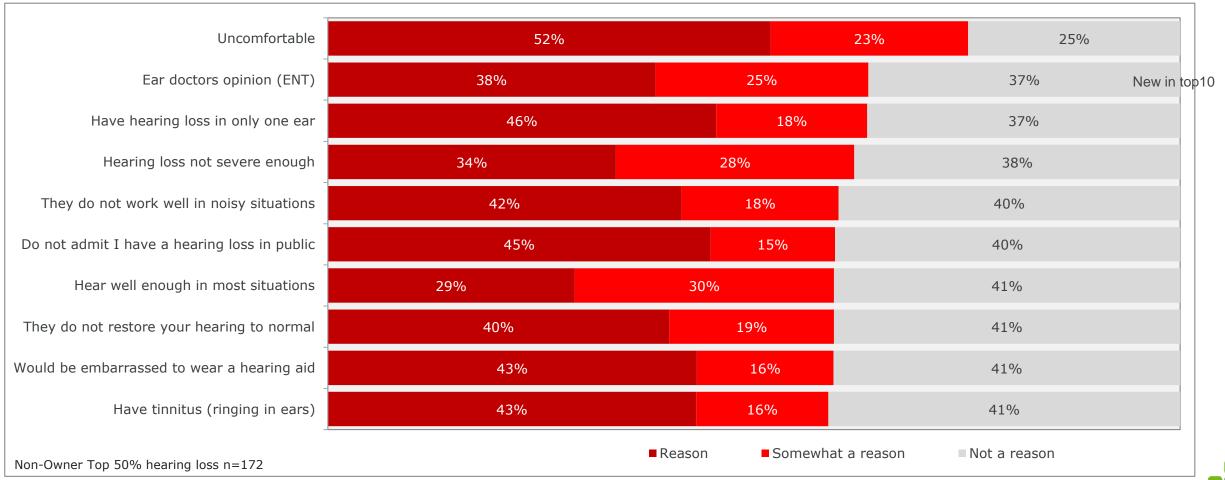


Reasons for not having hearing aids





Top 10 reasons for not having a hearing aid



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Less important reasons for not having a hearing aid

Hearing aid dispensers / Audiologists opinion	38%	189	6 44%	
Cannot afford a hearing aid	32%	22%	46%	
Family doctors opinion (GP)	33%	20%	47%	
Have more serious priorities	31%	21%	48%	
Another hearing aid owners opinion	22%	30%	49%	
Bad design	29%	21%	50%	
Have hearing loss only with high pitch sounds	32%	18%	50%	
Have tried hearing aid and they do not work	33%	17%	50%	
e Sensori-neural hearing loss (nerve deafness)	33%	17%	50%	
al / Family opinion such as child, spouse, friend $igrrightarrow$	22%	25%	53%	
ve hearing loss only with low frequency sounds	23%	22%	55%	
Do not trust Hearing aid dispenser / Audiologist	26%	19%	55%	
Do not know where to get hearing aids	23%	16%	61%	
Had surgery - hearing aids won't help	22%	13%	64%	
Hearing problem requires surgery	17%	12%	71%	
Have not had hearing tested yet	19%	8%	73%	
I have vision or dexterity problems	14% 12%		74%	

Reason

Somewhat a reason

Family docto Have more s Another hearing aid Have hearing loss only with high Have tried hearing aid and the Have Sensori-neural hearing loss (Social / Family opinion such as child Have hearing loss only with low free Do not trust Hearing aid dispens Do not know where to a Had surgery - hearing Hearing problem r Have not had he I have vision or dex

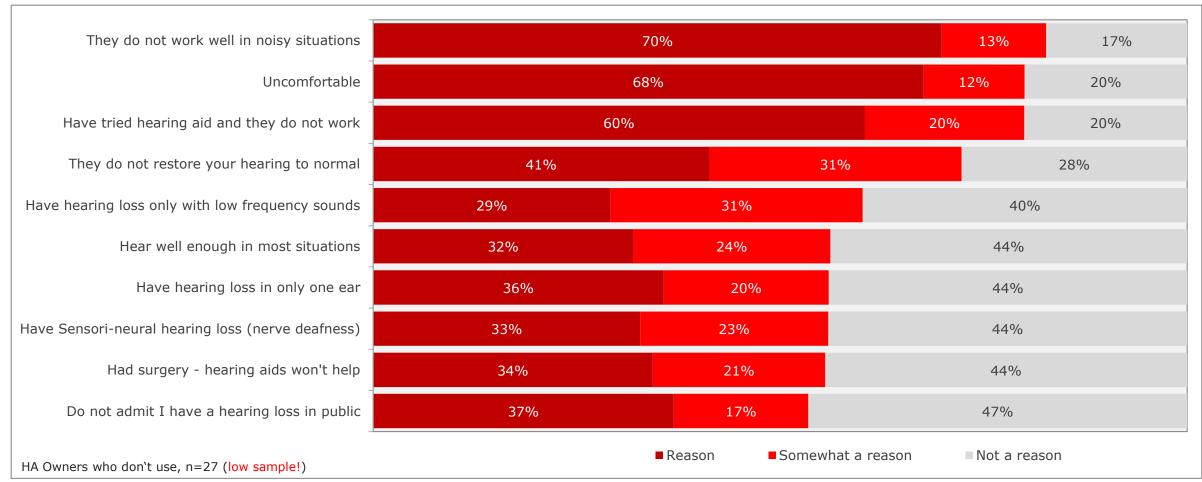
Non-Owner Top 50% hearing loss n=172

Not a reason





Top 10 reasons for HA owners NOT using them



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Social rejection because of hearing loss compared to the acceptance of hearing aids

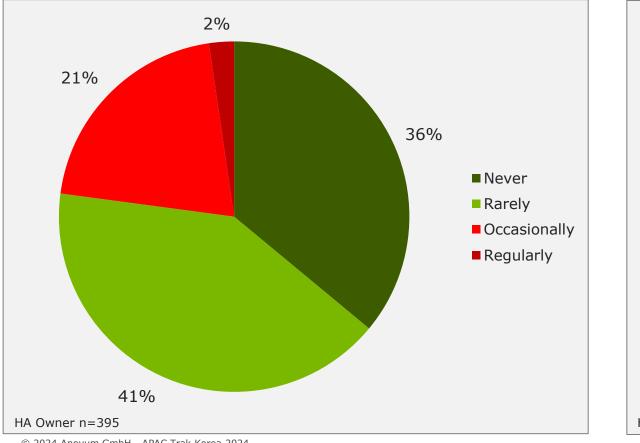




36% of hearing aid owners feel that people never make fun of or reject them because of their hearing aids. It is more likely that somebody makes fun of or rejects a hearing impaired without a hearing aid

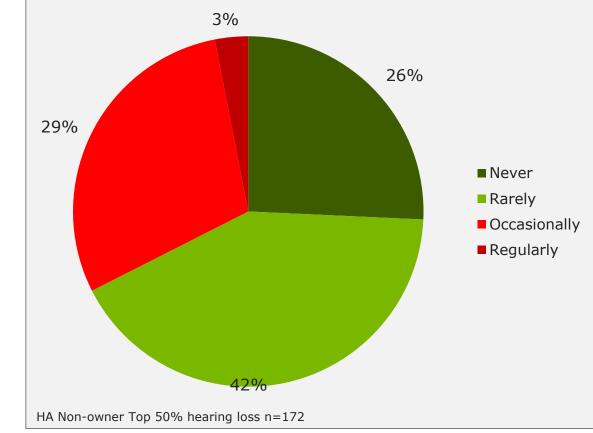
HA Owner:

How often do you feel you are made fun of or rejected because you are wearing a hearing aid?



HA Non-owner:

How often do you feel you are made fun of or rejected because of your hearing loss?







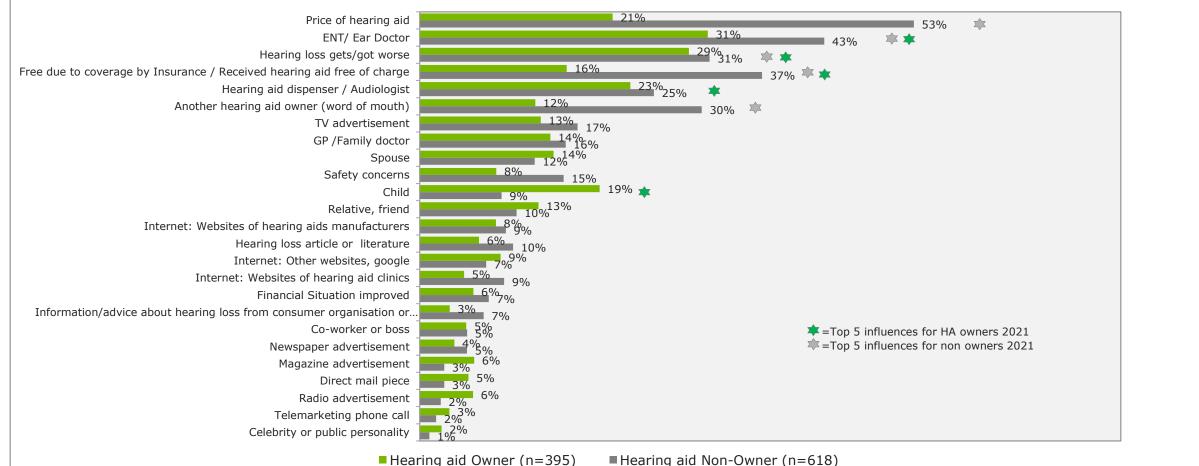
Most important triggers to buy





Key factors for hearing aid ownership were ENT advice, worsening hearing loss, and audiologists, while non-owners found financial considerations and word-of-mouth relatively more important for potential purchases

HA Owner: Thinking back to when you obtained your first hearing aid(s), what influenced you to obtain /purchase the hearing aid(s)? **HA Non-owner:** What do you think would influence you to obtain / purchase a hearing aid ?

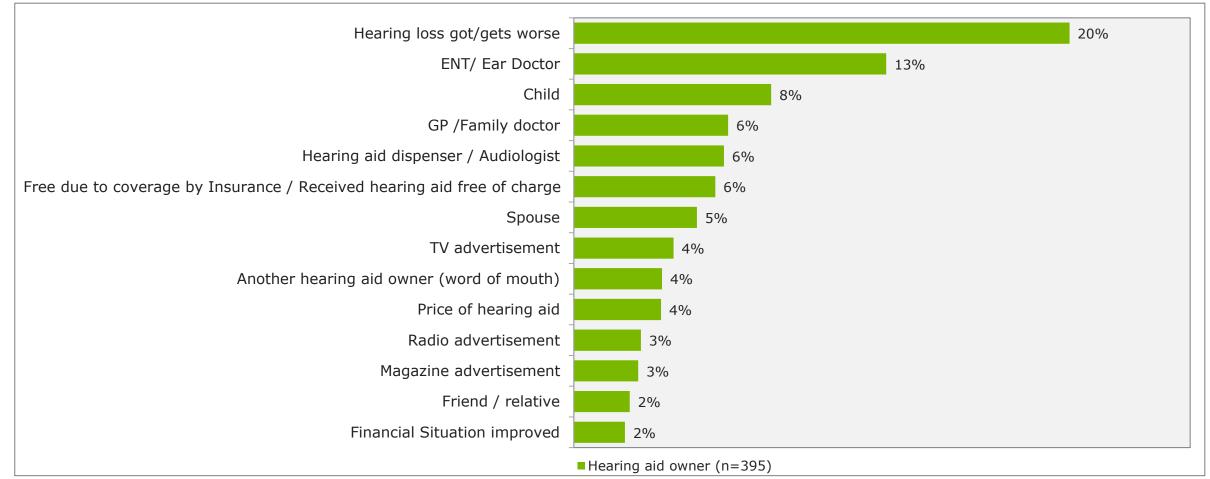






The most crucial trigger to buy a hearing aid is worsening hearing loss, followed by the ENT

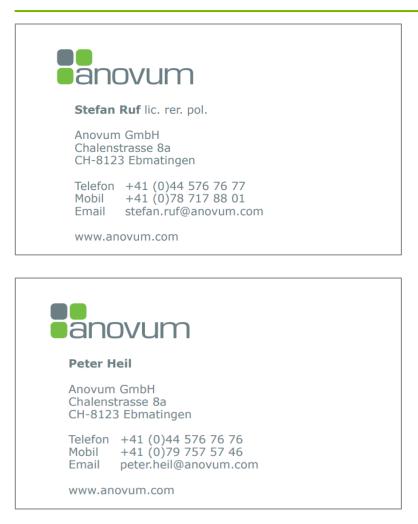
What made you finally decide to get your actual hearing aid(s)?







Provided by:





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APPENDIX



Demographics (1) Hearing instrument adoption rates and populations

	Count	Hearing difficulty	Hearing aid adoption rate % (Base=Hearing impaired)	No hearing loss	Hearing loss but no hearing aids (HA Non-owner)	Hearing aids (HA Owner)
Gender						
Male	7′731	5.4%	36.9%	50.1%	49.1%	54.8%
Female	7′685	5.2%	31.7%	49.9%	50.9%	45.2%
Age						
1 - 14	1′746	2.4%	70.2%	11.7%	2.3%	10.5%
15 - 24	1′487	1.7%	50.3%	10.0%	2.3%	4.4%
25 - 34	2′124	2.8%	53.5%	14.1%	5.2%	11.4%
35 - 44	2′231	3.7%	35.0%	14.7%	10.0%	10.3%
45 - 54	2′414	4.6%	21.3%	15.8%	16.3%	8.4%
55 - 64	2′436	4.4%	17.6%	15.9%	16.5%	6.7%
65 - 74	1′749	7.7%	26.9%	11.1%	18.2%	12.8%
74+	1′230	20.9%	38.8%	6.7%	29.2%	35.4%
Type of household						
single household	1′487	10.3%	44.2%	9.1%	15.9%	24.1%
Couple, no kids	1′728	7.1%	43.1%	11.0%	12.9%	18.8%
Couple with kid(s)	10′081	4.2%	29.6%	66.2%	55.3%	44.4%
Single mom/dad with kid(s)	762	4.8%	22.0%	5.0%	5.3%	2.9%
Retirement home, hospital etc.	144	18.1%	33.7%	0.8%	3.2%	3.1%
Other	1′214	4.8%	32.7%	7.9%	7.3%	6.8%

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Demographics (2) Hearing instrument adoption rates and populations

	Count	Hearing difficulty	Hearing aid adoption rate % (Base=Hearing impaired)	No hearing loss	Hearing loss but no hearing aids (HA Non-owner)	Hearing aids (HA Owner)
Status						
The head of the household (alone or together with someone)	6′040	8.1%	33.2%	38.0%	60.5%	57.4%
The spouse of the head of the household	3′839	5.3%	33.0%	24.9%	25.1%	23.7%
Daughter/son of head of household	4′625	1.4%	41.2%	31.2%	7.3%	9.7%
Other person	912	7.0%	40.4%	5.8%	7.1%	9.2%
Employment						
Full time employed	6′306	3.8%	23.2%	47.5%	35.2%	22.3%
Part time employed	1′237	5.2%	30.0%	9.2%	8.5%	7.7%
Unemployed / not working	2′864	8.2%	32.8%	20.6%	29.9%	30.5%
Retired under a disability pension scheme (fully or partly)	148	13.1%	48.6%	1.0%	1.9%	3.7%
Early retired under an early retirement benefit scheme	176	10.0%	45.6%	1.2%	1.8%	3.2%
Retired (at the official retirement age)	1′425	13.0%	39.5%	9.7%	21.3%	29.1%
Student / pupil / in training	1′385	1.1%	56.8%	10.7%	1.3%	3.5%
Education						
Primary school	606	16.7%	37.6%	4.0%	12.0%	15.1%
Middle school	743	13.1%	30.4%	5.1%	12.9%	11.8%
High school	3′335	6.0%	36.3%	24.6%	24.1%	28.8%
Community College	1′665	4.9%	31.6%	12.4%	10.5%	10.1%
Four-year University	6′903	4.1%	28.4%	51.9%	38.2%	31.6%
Other	288	6.4%	34.5%	2.1%	2.3%	2.5%





Sample size and random sample error: Rules of thumb

READ: At a sample size of n=500 and a value of 15% we would expect the real value in an interval +-3.1 around 15% - which means between 11.9% and 18.1% (Conservative assumption: 95% confidence level)

Sample size	Random sample error	
	Real value is within interval:	
	Level of proportion: 50%/50%	Level of proportion: 15%/85%
50	+- 13.9	+- 9.9
100	+- 9.8	+- 7.0
250	+- 6.2	+- 4.4
500	+- 4.4	+- 3.1
1′000	+- 3.1	+- 2.2
5′000	+- 1.4	+- 1.0
10′000	+- 1.0	+- 0.7