





EHIMA European Hearing Instrument Manufacturers Association

Summary

EuroTrak France 2009

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





Summary 1. Introduction

• EuroTrak France 2009 was designed and executed by Anovum (Zürich) on behalf of the European Hearing Instrument Manufacturers Association (EHIMA).

n=15'545 people

- Sample sizes France 2009:
 - Total representative sample:
 - Total hearing impaired: n=1'304 people
 - Hearing impaired non-owners:
 - HA owners:

- n=803 people with hearing loss (**HL**)
- n=501 people with hearing aid (HA)
- EuroTrak France 2009 is part of the EuroTrak studies in three countries: Germany, France, United Kingdom.
- The results have been reviewed by Sergei Kochkin, Ph.D., Executive Director, Better Hearing Institute.







Summary 2. Market overview

- Stated hearing loss prevalence
 - Age groups 18+: 12.7%.
 - Total: 10.4%.
 - Binaural hearing loss: HA owners: 71%, HA non-owners: 61%.
- Hearing aid adoption rate (HA penetration)
 - Total: 29.8%.
 - Total age group 18+: 29.3%.
 - 58% of HA owners have binaural treatment. Trend rising.
- The route to the hearing aid
 - 72 out of 100 hearing impaired discuss hearing loss with an ENT doctor or family doctor.







Summary 3. Analysis of hearing aid owners

- Hearing aid ownership and usage
 - 52% received some kind of 3rd party reimbursement.
 - 68% of the currently owned HAs were bought in 2007 or later.
 - The average age of the currently owned HAs is 2.9 years
 - On average, HAs are worn 8.3 hours a day.
 - 74% of the currently owned HAs either had no service need or only once (54% "no" + 20% "once").
- Satisfaction with HAs
 - 86% of the HA owners are satisfied with their HAs (16% "somewhat satisfied" + 54% "satisfied" + 16% "very satisfied").
 - The more hours worn per day, the higher the satisfaction.
 - Satisfaction with HAs bought after 2007 is higher than with HAs bought before.
 - Satisfaction with dispenser is generally very high (85%-91%).
 - Still challenges for the future are:
 - Hearing situations: Use in noisy situations, on the telephone and conversations in large groups.
 - Product features: Value (performance vs. money spent) and battery life.
- Positive impact of HAs
 - Significant positive impact of HAs on different aspects especially communication effectiveness and social life.





Summary 4. Analysis of hearing impaired non-owners

- Reasons not to own/use HAs
 - Information deficit non-owners: 26% don't know whether insurance would pay, 31% assume they won't pay.
 - The main reasons for not using hearing aids are that people say they can't afford a hearing aid, they are
 uncomfortable and they argue hearing aids don't restore hearing to normal.
 - 6% who own HAs don't use them. Main reasons for this are: "HAs do not restore hearing to normal", "uncomfortable" and "not good in noisy situations".
- "Negative non-owners" vs. "positive non-owners" opinion
 - Beliefs of "negative non-owners"
 - These people believe that HA are not adequate in everyday life.
 - They are inert and think they hear enough without hearing aids.
 - They say that hearing aids are not cheap.
 - Beliefs of "positive non-owners"
 - They do not fear any stigma and agree about the clear advantages of hearing aids.
 - Barriers to buy are: Costs/costs-performance, they hear enough and they believe that without HAs they only hear what they want to hear.
 - Positive non-owners clearly prefer ITEs compared to BTEs as they believe only these devices are invisible.
- Negative impact of hearing loss and buying intentions
 - Hearing impaired non-owners tend to feel less sound and safe and participate less in social activity compared to satisfied hearing aid-owners. Non-owners are more passive.
 - 10% of non-owners intend to buy a hearing aid within the next year.
 - What non-owners say would influence them to buy is not necessarily what owners say influenced them to buy. The most important influencing factors for owners were a worse hearing loss, the ENT and the audiologist as well as spouse/relatives/child/friend.







EHIMA European Hearing Instrument Manufacturers Association

Results

EuroTrak France 2009







Detailed Results: Roadmap

1. Introduction

- Objectives and organisation
- Field research specification
 - Outline of the questionnaire
 - Recruitment process
 - Representativeness

2. Market overview

- Prevalence of hearing loss and hearing aid adoption rate
- Demographics of hearing aid owners and non-owners

3. Analysis of hearing aid owners

- Owners: Degree of hearing loss
- Owners: Drivers of commitment
- Hearing aid ownership and usage
- Satisfaction with HA and drivers
- Positive impact of hearing aids

4. Analysis of hearing impaired non-owners

- Non owners: Degree of hearing loss
- Non owners: Drivers of openness
- Reasons not to own hearing aids
- Negative impact of hearing loss
- Acquiring intentions







1. Introduction



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Organisation of EuroTrak 2009

Organisation

- Principal of the project EuroTrak ist the European Hearing Instrument Manufacturers Association [EHIMA]. Members of EHIMA are: GN Resound, Oticon, Phonak, Siemens, Starkey and Widex [EHIMA Companies].
- Anovum Zürich developed the concept of EuroTrak, designed the questionnaire and conducted the fieldwork in cooperation with a panel company. Furthermore Anovum analysed the data and prepared the presentation.
- EHIMA approved the questionnaire in cooperation with Sergei Kochkin, Ph.D., Executive Director, Better Hearing Institute.
- For some analysis Anovum applied a specific technique to analyse the data that initially was developed for Brand Equity research ("Anovum Commitment Model / Share of Wallet Predictor")

Use of the data

- The principal as well as the EHIMA companies 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 or the EHIMA companies use 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 – EuroTrak – France/2009/n=[relevant sample size]"

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







Field research specification





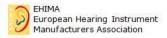


Outline of the questionnaire

	HA owners	HA non-owners
INTERVIEW INTRODUCTION	Х	Х
SCREENER QUOTA DEMOGRAPHICS	Х	Х
SCREENER HEARING LOSS -> SELECTION INTERVIEWEE	Х	Х
DEGREE OF HL AND BINAURAL TREATMENT/ DETAILED HEARING LOSS	Х	Х
GENERAL ATTITUDES	Х	Х
FACTORS DRIVING AND UNDERMINING COMMITMENT TOWARD THE OPTIONS HOW TO LIVE WITH HEARING LOSS	Х	Х
HEARING AID OWNED AND USED	Х	
SATISFACTION CURRENT HEARING AID	Х	
POSITIVE IMPACTS OF HEARING AIDS	Х	
REASONS NOT TO USE HA		Х
NEGATIVE IMPACTS OF HL	Х	Х
TRIAL AND BUYING INTENTIONS	Х	Х
SOCIODEMOGRAPHICS	Х	Х







Recruitment process: In search of hearing impaired people

Step 1: Screening interviews

Objective: Prevalence of hearing loss and hearing aid ownership

Process:

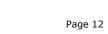
- 1. Representative sample with strict quotas that represent the overall population (Age/Gender interlocked; soft quota on region)
- 2. Contacts from a panellist pool of more than 100'000 people
- 3. Screening questionnaire: Stated hearing loss and hearing aid usage + demographics
- 4. Result: Representative sample of **n=15'545** people based on census data.

Step 2: Target population interviews

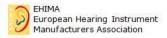
Objective: Details about satisfaction with hearing aids and reasons for non-adoption

Process:

- 1. Main questionnaires: Owners and hearing impaired non-owners
- 2. Balancing through weighting according to representative screening interviews
- 3. Resulting sample: **n=501** hearing aid owners and **n=803** hearing impaired non-owners







In search of hearing impaired people

• **Step 1:** Structure of total representative screening interviews sample (weighted) : n=15545 people

					Sex				
		Masculin		Féminin		Féminin		éminin Total	
		Count	Column Valid N %	Count	Column Valid N %	Count	Column Valid N %		
Alter recodiert	bis 14	1458	19.4%	1391	17.4%	2849	18.3%		
	15-24	983	13.1%	954	11.9%	1937	12.5%		
	25 - 34	958	12.7%	967	12.1%	1925	12.4%		
	35 - 44	1067	14.2%	1083	13.5%	2150	13.8%		
	45 - 54	1033	13.7%	1078	13.4%	2111	13.6%		
	55 - 64	951	12.6%	1005	12.5%	1956	12.6%		
	65 - 74	570	7.6%	659	8.2%	1229	7.9%		
	74+	509	6.8%	878	10.9%	1387	8.9%		
	Total	7529	100.0%	8016	100.0%	15545	100.0%		

• **Step2:** Structure of hearing impaired sample (weighted*): n=1304 people

				G	ender			
		N	fale	Female		le To		
		Count	Column Valid N %	Count	Column Valid N %	Count	Column Valid N %	
Alter recodiert	bis 14	19	2.7%	29	4.9%	48	3.7%	
	15-24	42	5.8%	30	5.2%	72	5.5%	
	25 - 34	55	7.6%	44	7.5%	99	7.6%	
	35 - 44	65	9.0%	46	7.9%	111	8.5%	
	45 - 54	117	16.3%	64	11.0%	181	13.9%	
	55 - 64	151	21.1%	82	14.0%	233	17.9%	
	65 - 74	124	17.2%	87	14.8%	210	16.1%	
	74+	146	20.3%	203	34.7%	349	26.8%	
	Total	719	100.0%	585	100.0%	1304	100.0%	J

Details about satisfaction with hearing aids (n=501 owner) and reasons for non-adoption (n=803 impaired non-owner)







2. Market overview



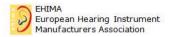




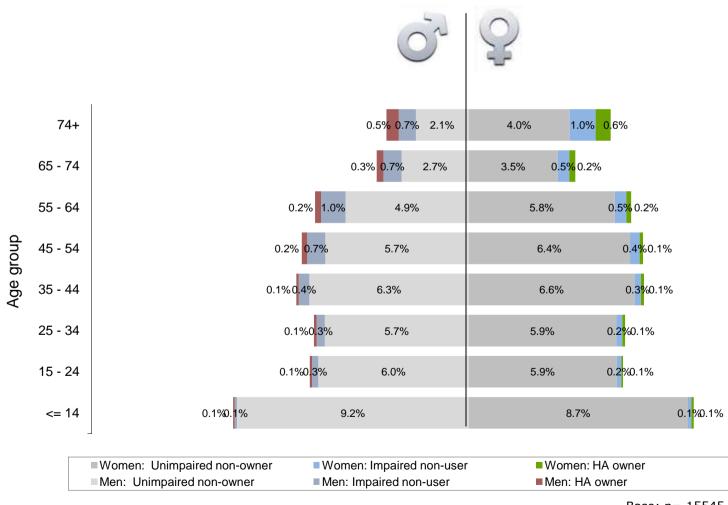
Prevalence of hearing loss and adoption rate







Hearing loss and hearing instrument ownership by gender/age (self-reported)



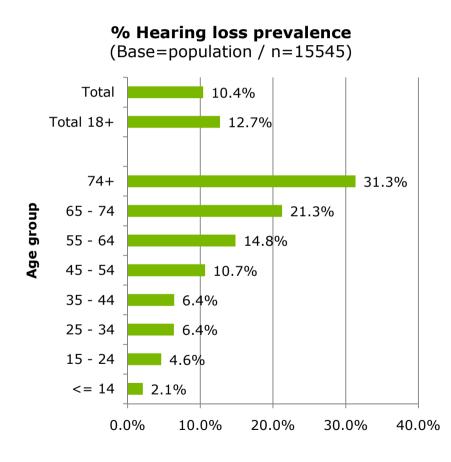
(c) Anovum 2009 - EuroTrak France 2009





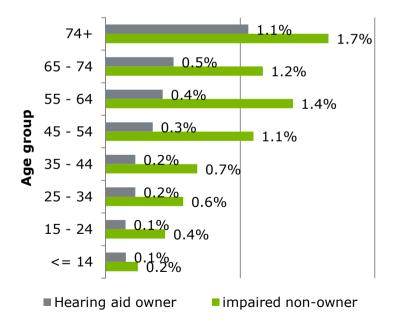


Hearing loss prevalence France 2009 (self-reported)



Hearing loss population: Owner/non-

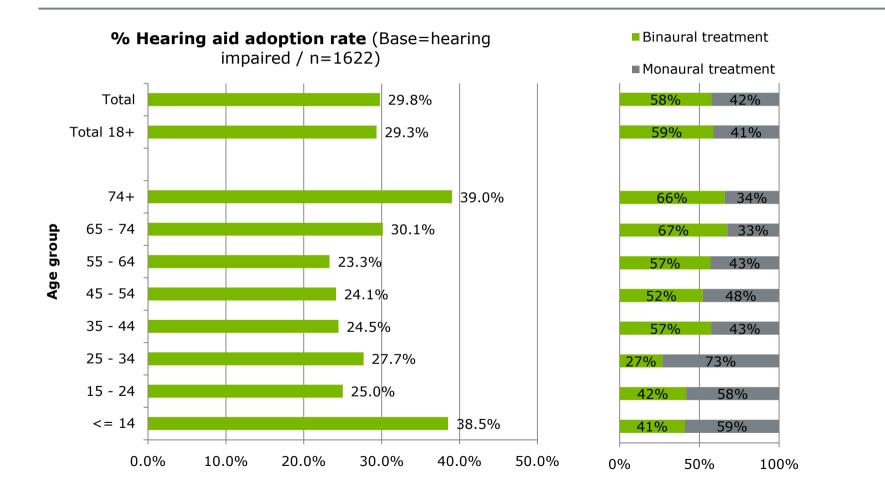
owner (Base=hearing imparied / all figures sum up to 10.4% / n=1622)







Hearing aid adoption rate France 2009 Total adoption rate is 29.8%









Demographics of hearing aid owners and non-owners







Hearing loss characteristics: Owners compared to non-owners

	%HA-Non- owner (n=803)	% HA Owner (n=501)	Hearing Aid Adoption (%)	People with stated HL without HA*
Ears impaired				
Unilateral loss	39%	29%	25%	1'820'000
Bilateral loss	61%	71%	33%	2'850'000
Perceived loss				
Mild	26%	6%	9%	1'210'000
Moderate	50%	46%	28%	2'340'000
Severe	19%	36%	45%	890'000
Profound	5%	12%	51%	230'000

n's are unweighted whereas the shown results are weighted

* projection

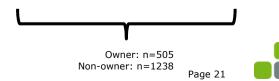




Demographics (1) Hearing instrument adoption rates and populations

Hearing impaired population n=1743

Category	Demographics	Total sample unweighted n	Hearing loss %	Hearing aid adoption rate % (Base=hearing impaired)	Hearing aid non owner (Categories add to 100%)	Hearing aid owner (Categories add to 100%)
Gender	Male	7534	12%	27%	57.2%	50.2%
	Female	8011	9%	33%	42.8%	49.8%
Age	<= 14	2082	2%	39%	3.2%	4.8%
nye	15 - 24	2069	5%	25%	5.9%	4.6%
	25 - 34	1530	6%	23%	7.8%	7.0%
	35 - 44	1787	6%	20%	9.2%	7.0%
	45 - 54	2630	11%	24%	9.2 % 15.0%	11.2%
	55 - 64	2824	15%	23%	19.5%	14.0%
	65 - 74	1339	21%	30%	16.1%	16.3%
	74+	1284	31%	39%	23.3%	
	74+	1204	3170	39%	23.3%	35.1%
Inhabit	<= 10'000	6339	10%	27%	41.4%	35.7%
	> 10'000, <= 50'000	4081	10%	28%	27.2%	25.1%
	> 50'000, <= 500'000	3021	12%	37%	20.2%	27.8%
	> 500'000, <= 1 Mio.	706	12%	29%	5.3%	5.1%
	> 1 Mio.	698	14%	31%	5.8%	6.4%
HHsize	1 Person	1276	15%	35%	10.3%	12.8%
	2 Persons	4420	13%	25%	35.2%	27.6%
	3 Persons	3412	11%	29%	22.9%	22.0%
	4 Persons	3976	8%	33%	20.3%	24.0%
	5+ Persons	2452	7%	34%	11.3%	13.6%
Туре	Single HH	1457	17%	31%	14.0%	15.1%
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Couple without kid(s)	4729	15%	31%	38.5%	40.0%
	Couple with kid(s)	7199	7%	27%	32.7%	29.2%
	Single mom/dad with kid(s)	891	6%	30%	3.4%	3.5%
	Retirement home, hospital etc.	125	37%	34%	2.9%	3.5%
	Other	1144	13%	34%	8.5%	8.7%



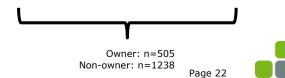




Demographics (2) Hearing instrument adoption rates and populations

Hearing impaired population n=1743

Category	Demographics	Total sample unweighted n	Hearing loss %	Hearing aid adoption rate % (Base=hearing impaired)	Hearing aid non owner (Categories add to 100%)	Hearing aid owner (Categories add to 100%)
Status	The head of the household (alone or together)	7235	16%	28%	66.0%	61.1%
	The spouse of the head of the household	4098	9%	33%	21.4%	25.2%
	Daughter/son of head of household	3587	2%	30%	6.5%	6.5%
	Other Person	623	16%	34%	6.1%	7.3%
Employment	Full time	9073	7%	27%	43.0%	38.4%
	Part time	818	8%	25%	4.5%	3.5%
	No job	1060	8%	22%	5.7%	3.8%
	Retired	4054	21%	33%	44.5%	52.9%
	Student	415	8%	20%	2.4%	1.5%
Education	Brevet	1457	15%	32%	12.4%	13.8%
	CAP-BEP	4293	9%	25%	26.8%	21.0%
	Baccalauréats	2827	8%	33%	14.8%	17.0%
	BTS - DUT	2183	8%	23%	12.7%	9.3%
	License (BAC+3)	1429	9%	33%	8.0%	9.3%
	Master 1 et 2 - Diplôme d'Ingénieur	1508	9%	29%	9.6%	9.4%
	Doctorat	350	14%	56%	1.9%	5.7%
	Autre	1351	17%	31%	13.8%	14.5%
HH Income	Under 10'000 Euro	993	11%	19%	8.2%	4.6%
	10,000 - 19,999 Euro	2481	10%	31%	16.6%	17.6%
	20,000 - 29,999 Euro	3417	11%	29%	26.0%	25.2%
	30,000 - 39,999 Euro	3305	9%	29%	21.6%	20.8%
	40,000 - 49,999 Euro	1829	11%	26%	14.0%	11.4%
	50,000 - 59,999 Euro	799	13%	34%	6.7%	8.0%
	60,000 - 79,999 Euro	700	11%	45%	4.3%	8.1%
	> 80,000 Euro	341	14%	41%	2.7%	4.4%







3. Analysis of hearing aid owners







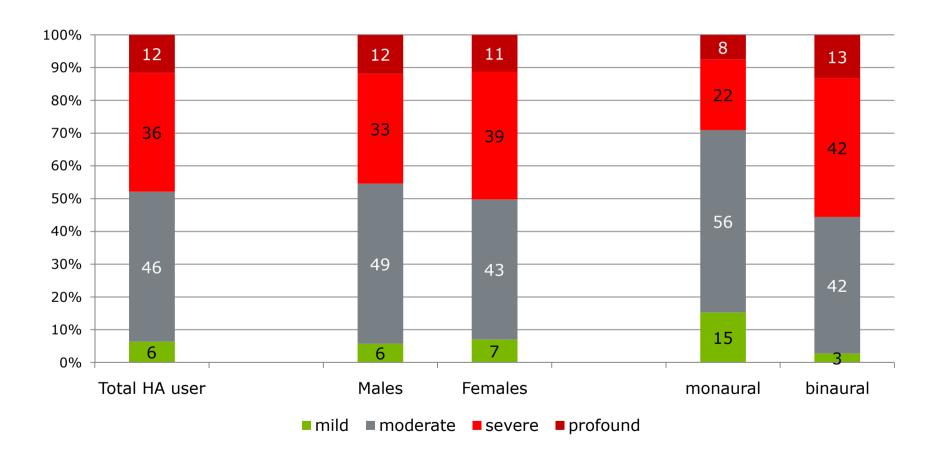
Owners: Degree of hearing loss







Subjective hearing loss of HA-owners: 48% of all HAowners have a severe or profound hearing loss



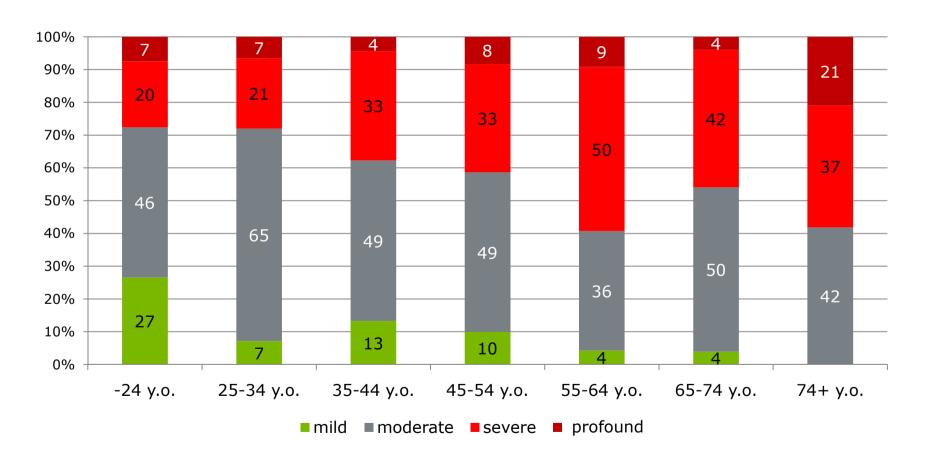
HA-owner, n=501







Subjective hearing loss of HA-owners by age: linear increase of severity



HA-owner, n=501



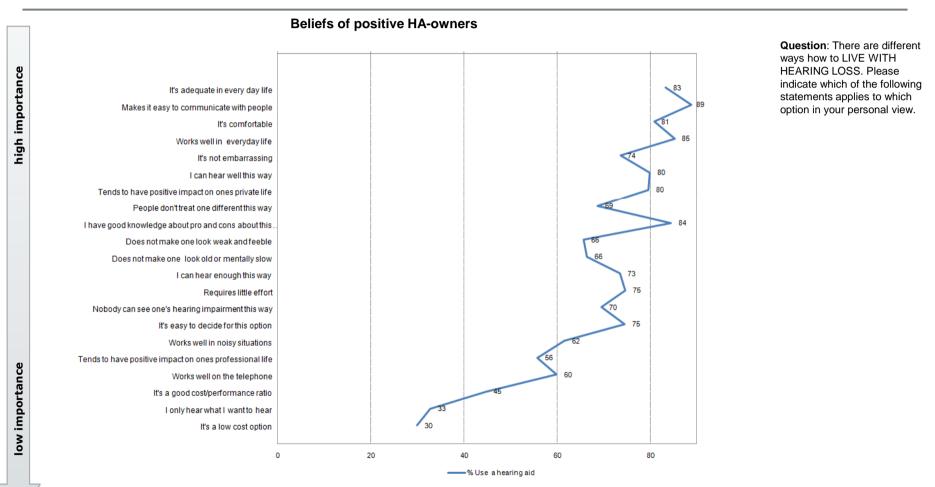


Owners: Drivers of preference





Beliefs of positive HA-owners: HA is the best solution to live with hearing loss. Price/costs of this option is less important to them.



Read: In this group, "It's adequate in every day life" is the most important criterion. 83% say that "use a hearing aid" is adequate in every day life.

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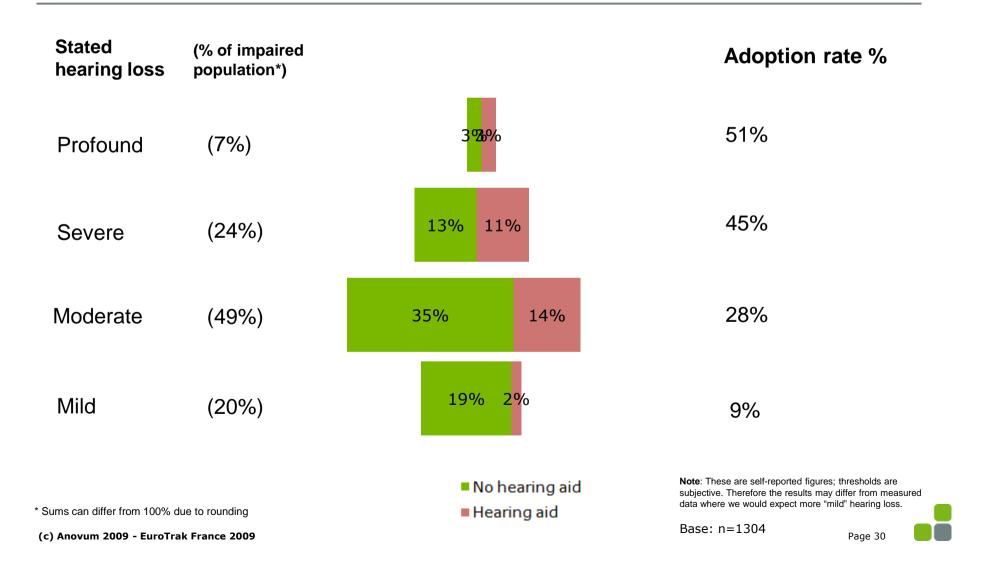
Hearing aid ownership and usage







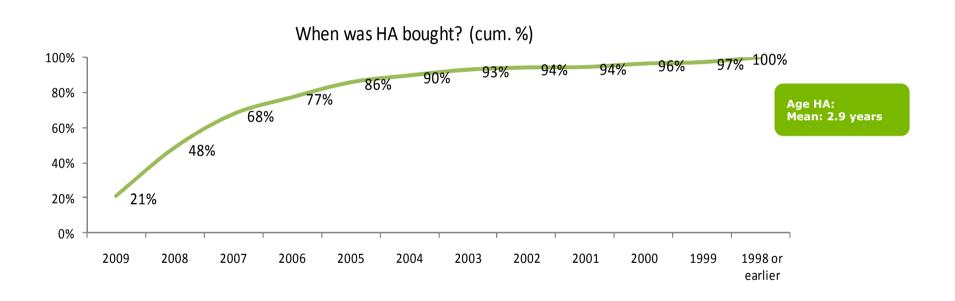
Low adoption rates within mild and moderate hearing loss

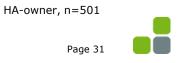




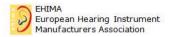


68% of the currently owned HAs were bought in 2007 or later.



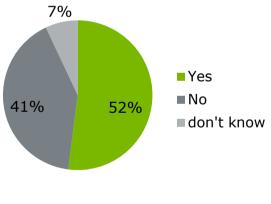






52% received some kind of 3rd party reimbursement

Owners: : Was any part or all of your hearing aid(s) paid for by a third party ? (Insurance, Government, ...)



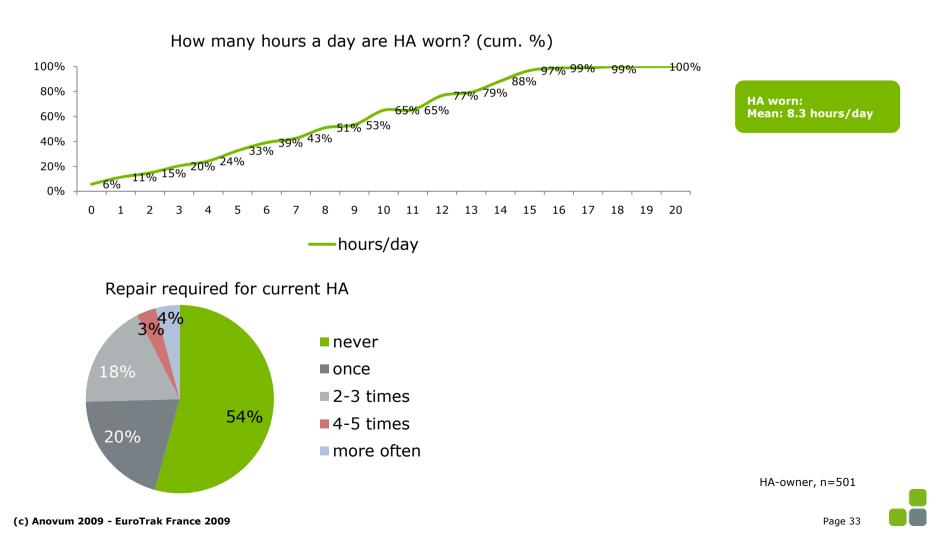
HA-owners, n=501







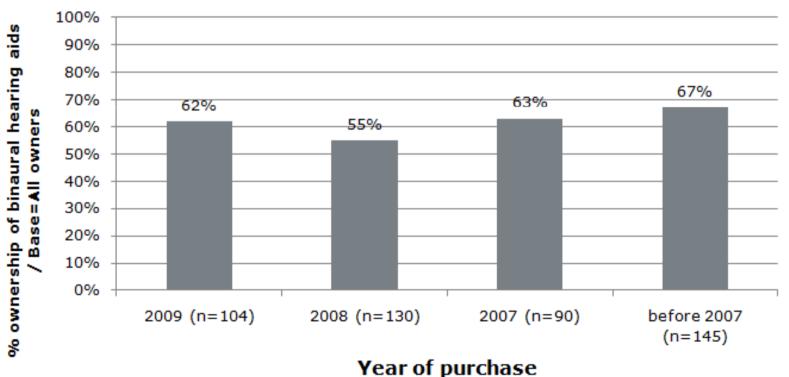
On average, HAs are worn 8.3 hours a day. 74% of the currently owned HAs either had no service need or only once.







Monaural-binaural treatment by purchase date



Binaural Treatment



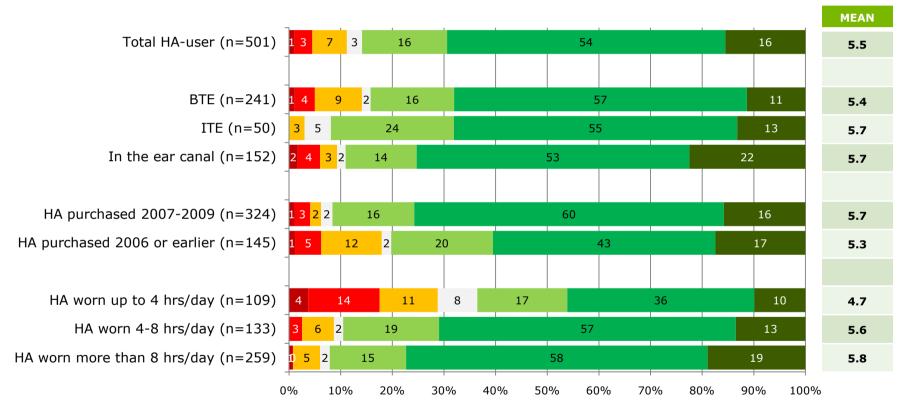








Overall satisfaction with HA: Highest satisfaction for the following groups: purchased 2007-2009, worn more than 8 hrs/day.



■ 1= very dissatisfied ■ 2=dissatisfied ■ 3=somewhat dissatisfied ■ 4=neutral ■ 5=somewhat satisfied ■ 6=satisfied ■ 7=very satisfied

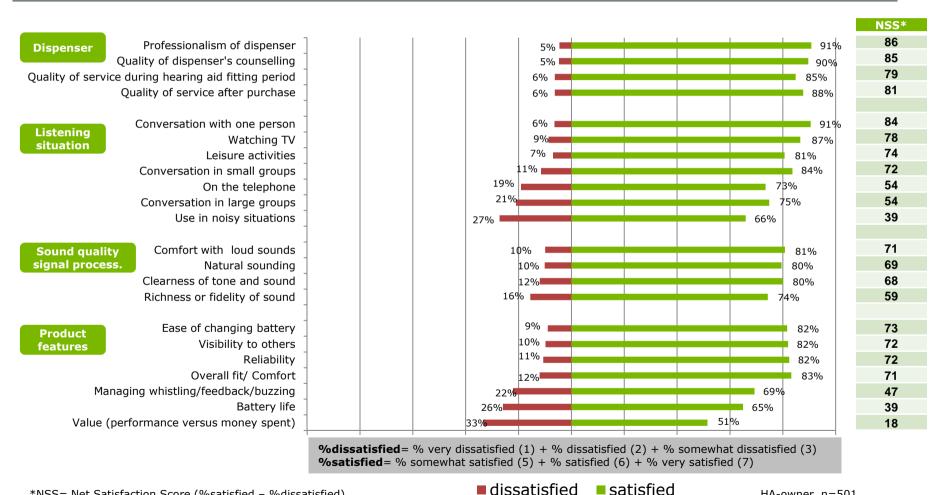
HA-owner, n=501







Satisfaction with current HAs



*NSS= Net Satisfaction Score (%satisfied - %dissatisfied)

* NSS can differ from showed difference due to rounding

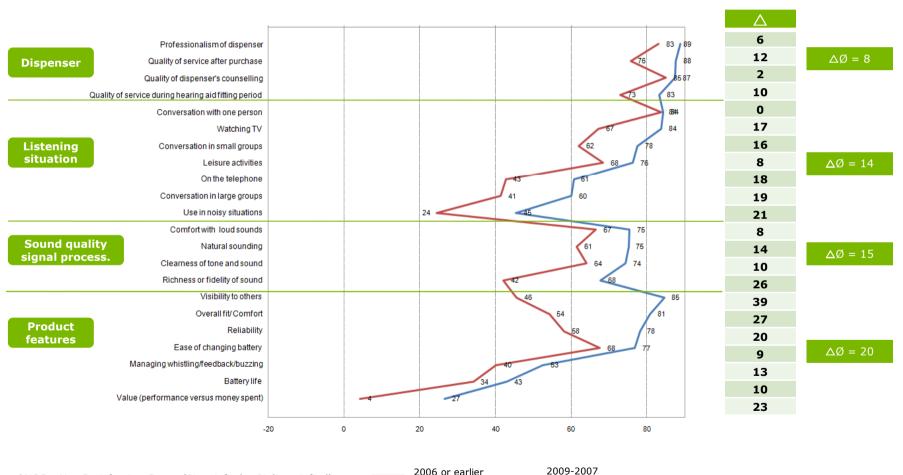
HA-owner, n=501







Satisfaction with current HAs (NSS*): HA purchased before 2007 vs. purchased 2007 or after



(n=324)





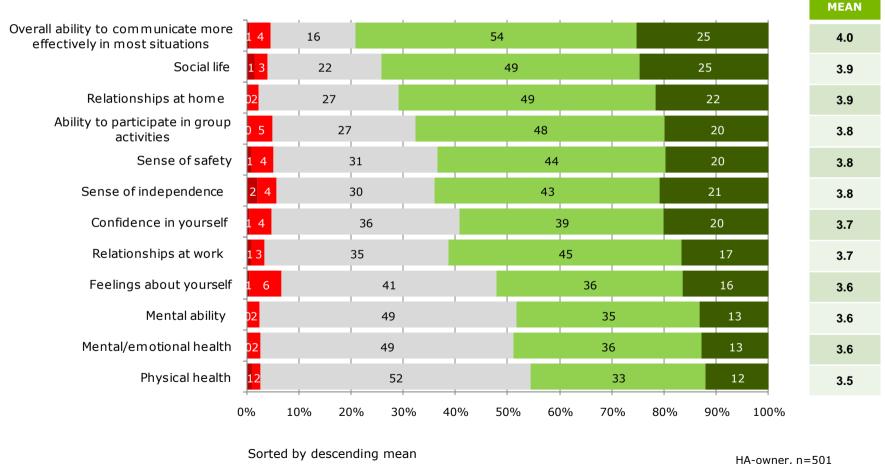
Positive impact of HAs







Significant positive impact of HAs on different aspects – especially communication effectiveness and social life/ relationships at home have improved



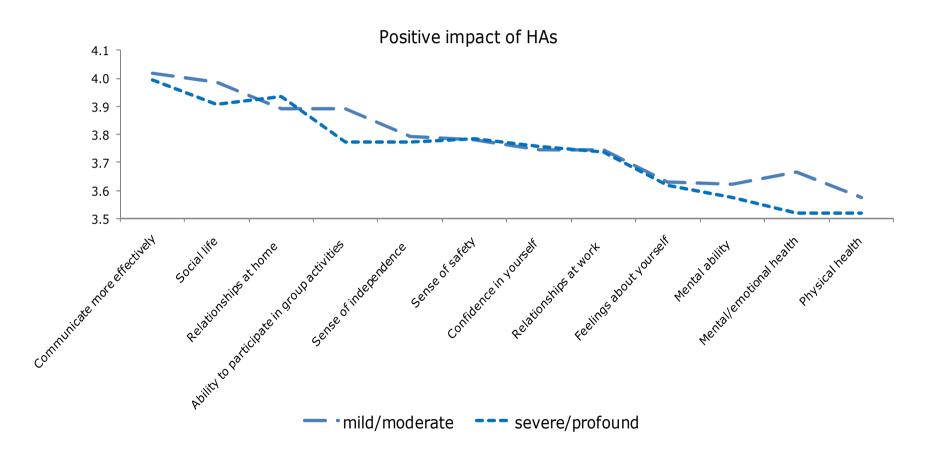


Page 40





Impact of HAs is perceived most positive by patients with mild/moderate hearing loss

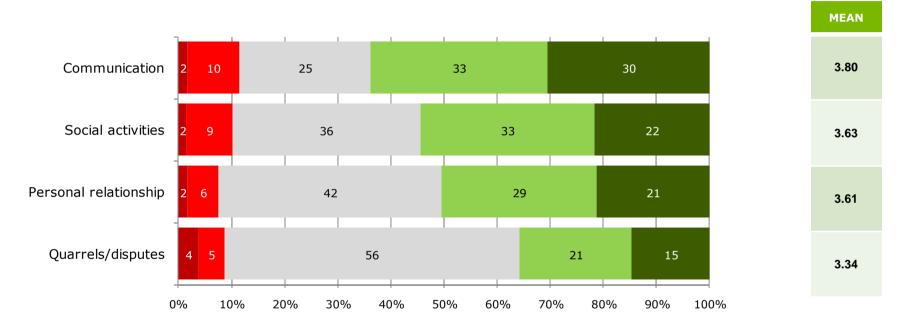


HA-owner, n=501





For the significant others, the situation has improved, since person in household/parent is wearing hearing aids (especially communication).



■ 1=a lot worse ■ 2=worse ■ 3=the same ■ 4=better

Sorted by descending mean

Someone in HH / parent have HA, n=414

5=a lot better







4. Analysis of hearing impaired non-owners







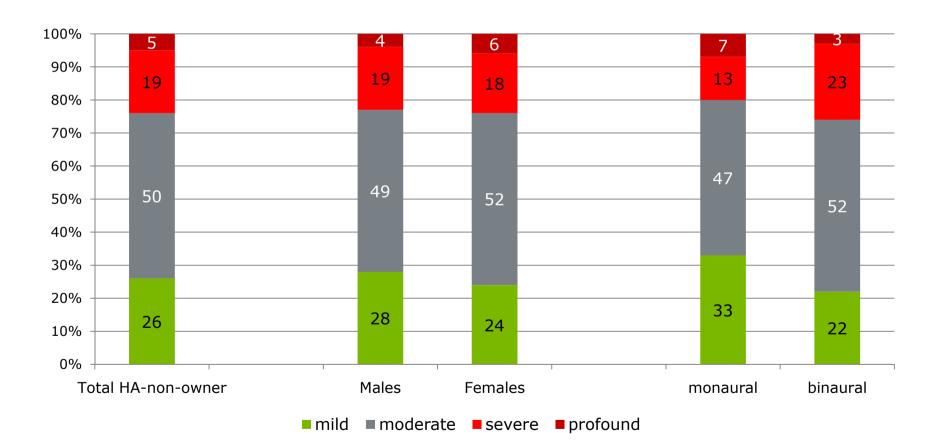
Non-owners: Degree of hearing loss

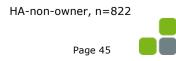






Subjective hearing loss of HA-non-owners: 24% have a severe to profound hearing loss

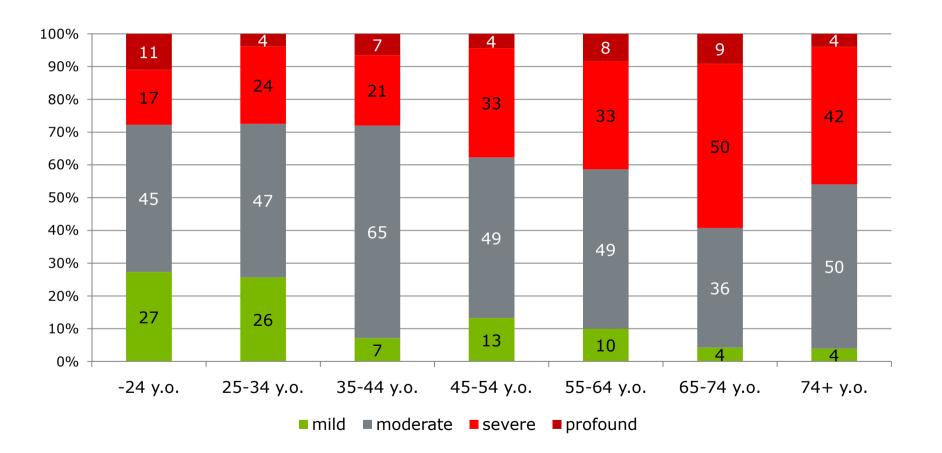








Subjective hearing loss of HA-non-users by age: increase of severeness is not strictly linear



HA-non-user, n=822





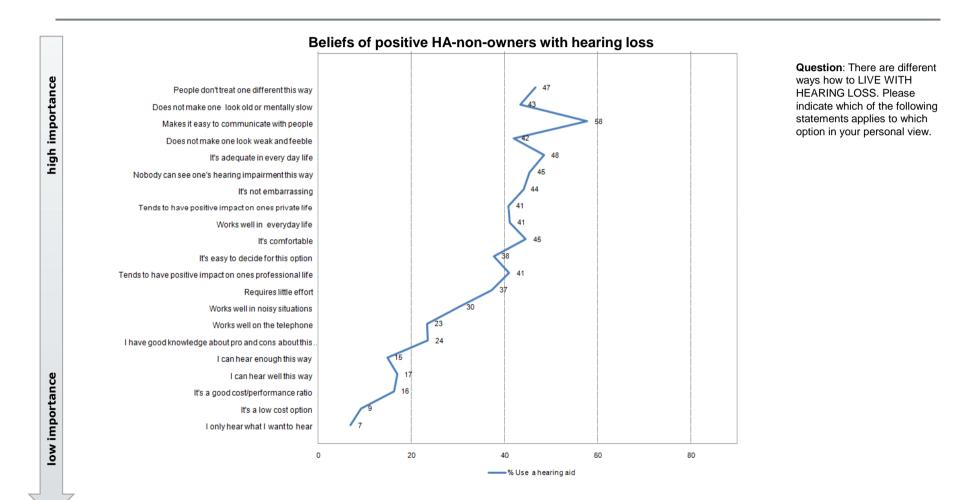
Non-owners: Drivers







Beliefs of positive HA-non-owners: They tend not to fear stigma and agree about the advantages of hearing aids. Barriers to buy are: Costs, they believe that without HAs they only hear what they want to hear / hear enough.



Read: In this group, "People don't treat one different this way" is the most important criteria. 47% say that one doesn't get treated different when "using a hearing aid".

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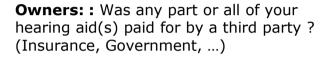
Reasons not to use hearing aids



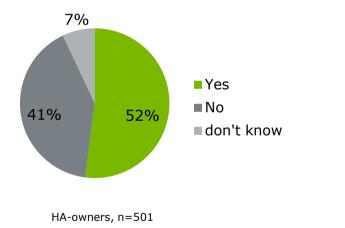


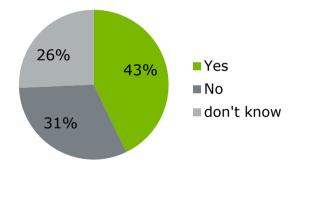


26% don't know whether insurance would pay; 31% think there is no third party payment



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





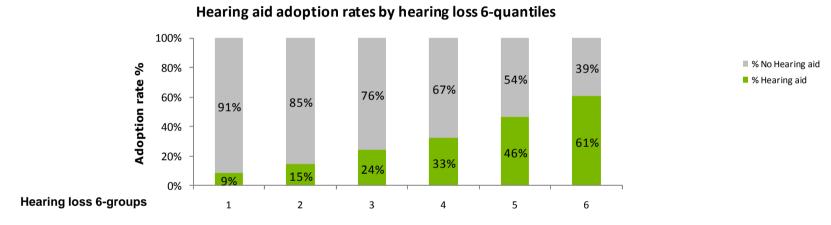
HA-non-owners, n=803







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



HA-non-owner, n=803 HA-owner, n=501

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 1-7)
- When NOT using a hearing aid, how difficult is it for you to follow conversations in the presence of noise

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

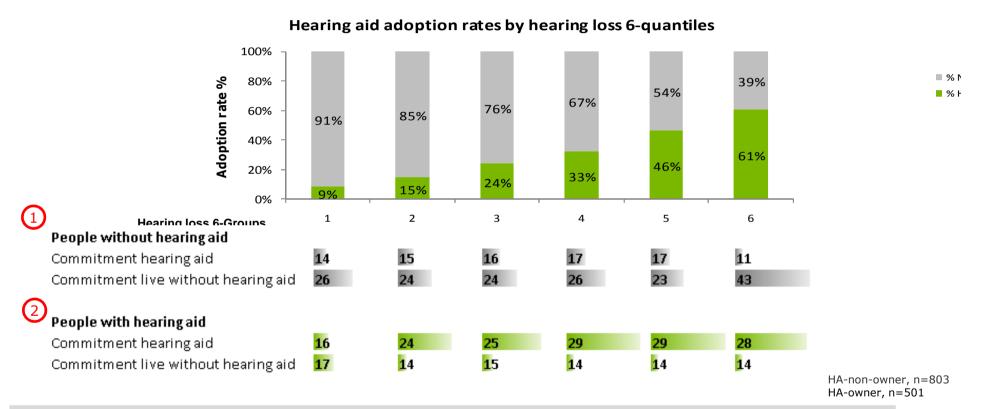






(1): People without HAs: Hearing loss seems only slightly to impact the attitude towards HAs!

(2) People with HAs: The more severe the hearing loss – the higher the commitment to the HAs



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:*

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- Scores on 6 APHAB-EC like questions (Scaled 1-7)
- 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).

Commitment is a measure of the attitudinal preference for different options. Based on what respondents answered, a score is calculated that sums up to 100 for every individual over all options. It is known from brand research that this score outperforms other "purchase intent" scores in terms of correlation with real behaviour.





To analyse reasons of non-adoption we look at 6-groups 4-6 as the structure of hearing loss is more similar to that of HA owners

Hearing loss characteristics: Owners compared to non-owners

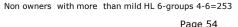
	% HA Owner (n=501)			%HA-Non- owner 1-3 6- groups	%HA-Non- owner 4-6 6- groups		
Ears impaired							
Unilateral loss	29%			46%	28%		
Bilateral loss	71%			54%	72%		
				More similar			
Perceived loss				hearing loss- structure			
Mild		6%		40%		3%	
Moderate		46%		53%		46%	
Severe		36%		6%		40%	
Profound		12%		1%		12%	





Non-owners with Top 50% hearing loss (Group 4-6*): The main reasons for not owning hearing aids are that (1) these people can not afford hearing aids and (2) they argue hearing aids don't work and are uncomfortable.

Cannot afford a hearing aid			62%				18%	_	20%	
Uncomfortable			58%				19%		22%	
They do not restore your hearing to normal		43%				33%			24%	
Ear doctors' opinion (ENT)		47%				26%			26%	
Have more serious priorities			54%			15%		30)%	
Hearing Aid Dispenser/Audiologist's opinion 🛛 💻		38%			28%			33%		
Family doctor's opinion (Hausarzt)		39%			27%			35%		
Would be embarrassed to wear a hearing aid		46%			19	9%		35%		
They do not work well in noisy situations		43%			22%			35%		
Hear well enough in most situations		37%			25%			38%		
Bad design		36%			25%			39%		
Do not admit I have a hearing loss in public 📃 💳		42%			16%			42%		
Have tinnitus (ringing in ears)	26%			28%				46%		
Hearing problem requires surgery		33%		18%			4	9%		
Hearing loss not severe enough	28%	6		22%			50)%		
Have hearing loss only with high pitch sounds	22%			27%			50	%		
Have hearing loss only with low frequency sounds	17%		31%				51%	6		
Have tried hearing aid and they do not work	Ş	31%		15%			54%			
Social / Family opinion such as child, spouse, friend	20%		26%				54%			
Another hearing aid owner's opinion	21%		25%				54%			
Have not had hearing tested yet		34%		10%			57%			
Have hearing loss in only one ear		32%		10%			58%			
I have vision or dexterity problems	25%		13%				62%			
Do not trust Hearing Aid Dispenser/Audiologist	18%		18%				64%			
Have Sensor-neural hearing loss (nerve deafness)	19%	1	.3%				68%			
Do not know where to get hearing aids	14%	15%				729	6			
Had surgery - hearing aids won't help	19%	8%		I	I	73%	5	1		
Definite Somewhat Definitely not 0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%







Reasons not to own hearing aids

Base: Non-owners	Total population (n=803 unweighte	d)	4-6 6-groups (n =250 unweighted)				
Reason	Definitely not	Somewhat	Definite	Definitely not	Somewhat	Definite		
Cannot afford a hearing aid	25%	21%	54%	20%	18%	62%		
Uncomfortable	24%	25%	51%	22%	19%	58%		
They do not restore your hearing to normal	31%	28%	42%	24%	33%	43%		
Ear doctors' opinion (ENT)	23%	25%	53%	26%	26%	47%		
Have more serious priorities	32%	19%	49%	30%	15%	54%		
Hearing Aid Dispenser/Audiologist's opinion	33%	26%	41%	33%	28%	38%		
Family doctor's opinion (Hausarzt)	29%	32%	39%	35%	27%	39%		
Would be embarrassed to wear a hearing aid	38%	20%	43%	35%	19%	46%		
They do not work well in noisy situations	32%	26%	41%	35%	22%	43%		
Hear well enough in most situations	25%	29%	46%	38%	25%	37%		
Bad design	41%	24%	35%	39%	25%	36%		
Do not admit I have a hearing loss in public	44%	20%	37%	42%	16%	42%		
Have tinnitus (ringing in ears)	53%	23%	24%	46%	28%	26%		
Hearing problem requires surgery	48%	16%	36%	49%	18%	33%		
Hearing loss not severe enough	31%	29%	40%	50%	22%	28%		
Have hearing loss only with high pitch sounds	47%	30%	23%	50%	27%	22%		
Have hearing loss only with low frequency sounds	55%	26%	19%	51%	31%	17%		
Have tried hearing aid and they do not work	54%	18%	28%	54%	15%	31%		
Social / Family opinion such as child, spouse, friend	50%	22%	28%	54%	26%	20%		
Another hearing aid owner's opinion	52%	23%	25%	54%	25%	21%		
Have not had hearing tested yet	49%	15%	35%	57%	10%	34%		
Have hearing loss in only one ear	50%	24%	26%	58%	10%	32%		
have vision or dexterity problems	64%	18%	18%	62%	13%	25%		
Do not trust Hearing Aid Dispenser/Audiologist	64%	17%	19%	64%	18%	18%		
Have Sensor-neural hearing loss (nerve deafness)	62%	16%	22%	68%	13%	19%		
Do not know where to get hearing aids	75%	13%	12%	72%	15%	14%		
Had surgery - hearing aids won't help	64%	11%	25%	73%	8%	19%		



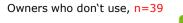


Main reason for not using the owned hearing aids: The absence of a real direct benefit.

They do not restore your hearing to normal 15% 18% 25% 30% 34% 46% 51% 54% 56% 58% 59% 59% 59% 59% 63% 64% 66% 68% I have vision or dexterity problems 11% 74% 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

They do not work well in noisy situations Uncomfortable Hear well enough in most situations Have tried hearing aid and they do not work Have Sensor-neural hearing loss (nerve deafness) Have more serious priorities Hearing problem requires surgery Have hearing loss only with low frequency sounds Had surgery - hearing aids won't help Have hearing loss only with high pitch sounds Social / Family opinion such as child, spouse, friend^ Have tinnitus (ringing in ears) Hearing loss not severe enough Bad design Have hearing loss in only one ear Do not admit I have a hearing loss in public Would be embarrassed to wear a hearing aid

Definite Somewhat Definitely not







Negative impact of hearing loss







Hearing impaired non-owners tend to feel less sound and safe and participate less in social activity compared to satisfied hearing aid-owners.

HAowner	3 7	3	31		45	14	
HA non-owner	9 1	10	21		35	25	
HA non-owner with similar HL as owners (group 4-6)	- 14	13	22		28	23	
	-						1
Low satisfaction with HA	-	29	17		26	19 10	
High satisfaction with HA	9	17	20		39	15	
	4 6	21		42		27	
	-						1
	-						
ipate regularly in social activities	11	16	21		37	17	
HA non-owner	23		14	19	25	18	
HAnon-owner with similar HL as owners (group 4-6)	-	32	14	-	25	16 13	
HATIOH-OWNER WITT SIMILAT HE as OWNER'S (group 4-0)	-	32			25	10 13	4
	-						
	28		46		33	12	
	26	3	33		48	11	
Very high satisfaction with HA	4 7	13		45		30	

1=disagree strongly

2=disagree 3=neitheragree nor disagree

4=agree 5=strongly agree







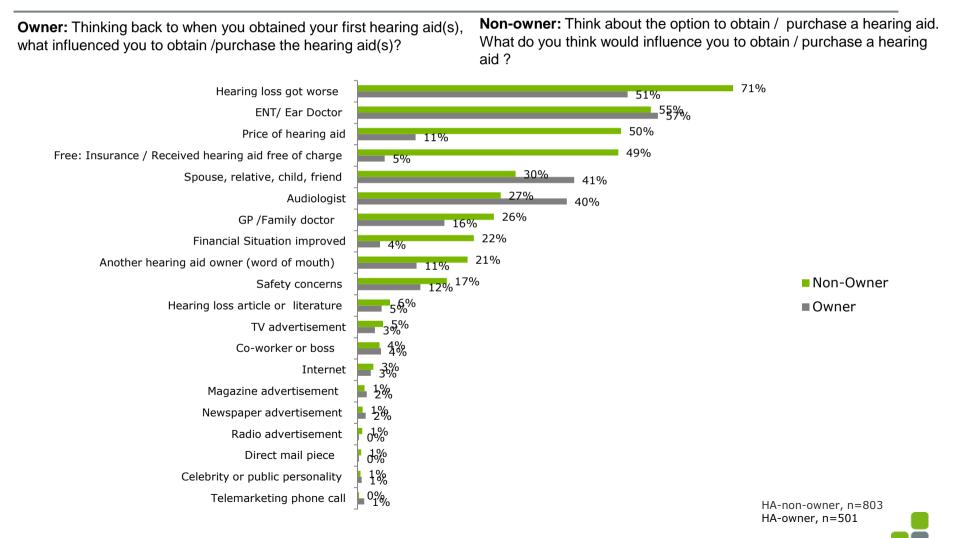
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Page 60

What non-owners say would influence them to buy is not necessarily what owners say influenced them to buy. The most important influencing factors are worse hearing loss, GP, ENT and audiologist.





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