



### Results

## **EuroTrak France 2018**

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









## Summary 1. Introduction

- EuroTrak France 2018 was designed and executed by Anovum (Zurich) on behalf of the European Hearing Instrument Manufacturers Association (EHIMA).
- Sample sizes France 2018:
  - Representative sample (sample 1):
  - Hearing impaired (sample 2):
    - 2): n=1'31
    - Hearing impaired non-owners:
    - HA owners:

- n=15'061 people n=1'311 people
- n= 761 people with hearing loss (**HL**)
- $n{=}~550$  people with hearing aid (HA)
- EuroTrak France 2018 is part of the EuroTrak studies:













## Summary 2. Market overview

- Stated hearing loss prevalence
  - Total: 10.0%, 18+: 12.3% (2015: 9.3%, 18+: 11.4%).
  - Binaural hearing loss: HA owners: 74%, HA non-owners: 56%.
  - Hearing Tests: 36% (2015: 32%) had a hearing test in the last 5 years, most tests done by ear doctors
- Hearing aid adoption rate (HA penetration)
  - Total: 41.0% (2015: 34.1%).
  - Total age group 18+: 40.5% (2015: 33.6%).
  - 71% of HA owners have binaural treatment.
- The route to the hearing aid
  - 79% of the hearing impaired discussed hearing loss with an ENT doctor or family doctor.
  - 58% got hearing aids recommended from the ENT or family doctor (drop out rate=26% / 2015: 36%).
  - 27% of the GP consultations referred to an hearing aid dispenser (same as in 2015).
  - 76% (2015:75%) of the GP consultations referred to an ENT, 8% (2015: 8%) recommended no action.
  - 41% of ENT consultations referred to a audiologist (2015: 34%), 27% (2015: 39%) 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.
  - Hearing aid owners have a lower risk of being depressed.
  - Quality of sleep seems to improve if hearing impaired use hearing aids.







### Summary 3. Analysis of hearing aid owners

- Hearing aid ownership and usage, accessories and Telecoil
  - 87% (2015: 81%) of all HA owners received some kind of 3<sup>rd</sup> party reimbursement.
  - 54% of the currently owned HAs were bought in the last two years (EuroTrak 2015: 48%)
  - The average age of the currently owned HAs is 2.5 years (2015: 2.9 years).
  - The median age of hearing aids before replacement is 6 years.
  - On average, HAs are worn 7.9 hours a day (2015: 8.6).
  - 43% of today's hearing aid owners are aware of their hearing aid brand.
  - 45% have been informed about hearing aid accessories by the HCP, 18% use a HA accessory.
- Importance of listening situations and satisfaction with HAs
  - 75% of the hearing aid owners say their hearing aid works better than or as expected
  - 82% (2015:84%) of the HA owners are satisfied with their HAs.
  - The more hours worn per day, the higher the satisfaction.
  - Satisfaction with newer hearing aids is higher than with older hearing aids.
  - Talking at home with family members, talking on a phone and conversations (large group, 1 person) are the most frequent important listening situations.
- Positive impact of HAs
  - Significant positive impact of HAs on different aspects especially communication, participation in group activities and relationships at home.
  - 97% of hearing aid owners declare that their hearing aids improve their quality of life at least sometimes







### Summary 4. Analysis of hearing impaired non-owners

- Reasons not to own/use HAs
  - 38% (2015: 30%) of the hearing impaired without hearing aids think that a third party would pay any part of hearing aids.
  - The main reasons for not using hearing aids are that people say they cannot afford a hearing aid, the opinion of ENT's/GPs/HCPs and they think hearing aids are uncomfortable.
  - 7% who own HAs don't use them at all (0 hour); 13% use them less than one hour/day (0-1 hour).
- Social rejection, buying intentions and triggers to buy
  - 69% of hearing aid owners feel that people don't make fun of or reject them because of their hearing aids. It
    is more likely somebody makes fun or rejects a hearing impaired without hearing aid (only 28% say they are
    never made fun of because of their hearing loss).
  - The most important influencing factors for getting hearing aids are worsening hearing loss, ENT and significant others. Insurance coverage/price of hearing aids is only relevant for the non owners.









## Detailed Results: Roadmap

### New topics for EuroTrak 2018 are highlighted in red

#### 1. Introduction

- Organisation of EuroTrak 2018
- 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 before getting hearing aids, lifetime of hearing aids and usage
- Reasons for getting hearing aids sooner
- Channels for getting hearing aids, recommendation of channel (NPS)
- Awareness and usage of accessories
- 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

– Demographics: Hearing instrument adoption rates and populations











## **1. Introduction**









### Organisation of EuroTrak 2018

### Organisation

- Principal of the project EuroTrak is the European Hearing Instrument Manufacturers Association [EHIMA].
   Members of EHIMA are: GN Resound as, William Demant Holding A/S, Sonova AG, Sivantos Pte. Ltd., STARKEY LABS and WIDEX AS [EHIMA Companies].
- Anovum Zurich 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.
- The European Hearing Instrument Manufacturers Association [EHIMA] approved the questionnaire.

#### 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/2018/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.
- EHIMA companies can order a report with satisfaction scores for their brand. The other brands will be shown as benchmarks without denomination (brand A, brand B etc.). The report will show all satisfaction values. It is not allowed to communicate any information from these reports outside the EHIMA company.







# 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 panelist pools of more than 80'000 people
- 3. Screening questionnaire: Stated hearing loss and hearing aid usage + demographics
- 4. Result: Representative sample of **n=15'061** 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=550** hearing aid owners and **n=761** hearing impaired non-owners









## 2. Market overview









## Prevalence of hearing loss and adoption rate









# Hearing loss and hearing instrument ownership by gender/age



















# Overview hearing loss prevalence and hearing aid adoption



Hearing impaired (stated) Adoption (% of population) Adoption (% of stated impaired)









### Hearing aid adoption rate France:

## 41% of hearing impaired have hearing aid(s), 71% of them have binaural treatment











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



**Hearing loss 6-groups** 

HA-non-owner, n=761 HA-owner, n=550

\* 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).







### Hearing loss characteristics: Owners compared to non-owners

	HA-Non-owner 2018: n=761	HA Owner 2018: n=550	Hearing Aid Adoption (%)
Ears impaired (stated)			
Unilateral loss	44%	26%	34%
Bilateral loss	56%	74%	54%
Perceived loss			
Mild	29%	8%	18%
Moderate	56%	53%	43%
Severe	13%	34%	68%*
Profound	1%	5%	

nos are unweighted whereas the shown results are weighted \* combined % evere+ and % profound+ because n is too small

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## Hearing tests and where hearing is tested









## Hearing Tests: 36% (2015: 32%) had a hearing test in the last 5 years, most tests done by ear doctors











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









Doctors and hearing care profesionals are the most important sources of information and therefore the major gatekeepers – followed by internet research and other people with hearing aids.

Where did you gather information about hearing aids? Please check all that apply.









# Of those who discussed the hearing loss with a doctor, 42% talked to an ENT first and 58% talked to the 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 ENT specialist?









## The route to the hearing aid: Compared to 2015 drop out 1 & 2 were reduced



Base: n=1'311









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

Top 50% hearing loss\*



### Low 50% hearing loss\*



Base: n=1`311

\* 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).







## The route to the hearing aid: GP/Family doctor

Have you discussed your hearing problem with your family doctor?









### The route to the hearing aid: ENT

Have you discussed your hearing problem with an ear doctor (ENT)?









### The route to the hearing aid: HA dispenser

Have you discussed your hearing problem with a Hearing Aid Dispenser/Audiologist?









### Recommendations by profession











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









**Work competitiveness:** 95% of the working hearing aid owners state their hearing aid(s) are useful on their job.

How useful are your hearing aids on your job? 5% 23% Of no use Of some use Of significant use



**Work competitiveness:** People with hearing aids recognize that hearing aids increase the chance of hearing impaired to get promoted, to get the right job and to get more salary.



Base: Hearing loss, no hearing aid =615/ hearing aid n=475









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



#### Base: hearing aid n=359 / no hearing aid =150

\*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 impaired hearing aid nonowners with significant hearing loss (Top 50% hearing loss\*), hearing aid owners feel less exhausted in the evenings



- 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**: Quality of sleep seems to improve if hearing impaired use hearing aids

Are you generally satisfied with the quality of your sleep?











## 31% 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.



Hearing impaired, N=1'178







## 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 and moderate hearing loss









### 54% of the currently owned HAs were fitted in 2016 or later

Year of purchase



Age of currently owned HAs (Mean):
2018: 2.5 years
2015: 2.9 years
2012: 2.5 years







On average 3 years pass between becoming aware of the hearing loss and the purchase of hearing aids. Hearing aids are used for 6 years before they are being replaced.



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

15%	23%	25	25%		1%	16%	
∎1 year	■2 years	■3 years	∎4-6 y	vears	■ more	e than 6 yea	ars

Base: n=387







Most hearing aid owners know that fitting and after sales services are included in the overall costs, but only 43% are aware that this counts throughout the lifetime of the hearing aid(s).

#### A votre avis, que comprend le prix que vous avez payé pour votre (vos) appareil(s) auditifs(s)?



Le prix de votre/vos appareil(s) auditif(s) inclus un nombre illimité de visites de réglage chez votre Audioprothésistes durant sa (leur) durée de fonctionnement. Quelle est votre degré de satisfaction en regard de ce mode de tarification « forfaitaire » ?

2% 4%	8%	12%	9%		38%		25	5%
■Très m	écontent	Mécontent	Un peu	mécontent	Sans opinion	■Un peu satisfait	Satisfait	■Très satisfait

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65% of all HA owners think they should have gotten their HAs sooner! Main reason is missing out on social life.

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



Base: n=335





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HA-non-owners, n=761











Specialized hearing aid store is by far the preferred place for obtaining hearing aids (both for owners and non owners).









Recommendation intention of the place where the hearing aid(s) have been obtained is okay, with a barely positive NPS score of 6.

*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 = 6**







#### On average, HAs are worn 7.9 hours a day



HA worn: 2018 Mean: 7.9 hours/day 2015 Mean: 8.6 hours/day 2012 Mean: 9.2 hours/day



HA-owner: 2018: n=550 2015: n=501 2012: n=502







### Only 43% of today's hearing aid owners are aware of their hearing aid brand.















18% of the HA owners use an accessory for their hearing aids. 68% of those who use an accessory, are satisfied with it.

Have you been informed by your hearing care professional about hearing aid accessories, such as TV-Streamer/ Apps / Remote Control / etc. ? (HA owners, n=550)



Do you personally use accessories for your hearing aids (TV-Streamer/ Apps / Remote Control / etc.) ? (HA owners, n = 550)

18%		82%	
	Yes	■ No	

*IF ACCESSORIES USED (n=119):* 

Overall, how satisfied with the performance of your accessorie(s)?

6%	10%	4%	12%		21%			35%	11%
very dis	ssatisfied 🗖 d	issatisfied	somewhat dis	satisfied	neutral	somewhat satis	isfied satisfied	■very satisfied	









#### Satisfaction with hearing aids and drivers









### 75% of the 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 stays on a high level with 82% of the users being satisfied











#### Overall Satisfaction with HA: Country comparison

	UK	Bel- gium	Nerther- lands	Poland	France	Switzer- land	Den- mark	Norway	Italy	Japan
Overall satisfaction 2012	72%	-	-	-	80%	84%	70%	72%	70%	36%
Overall satisfaction 2015/16/17	70%	80%	73%	80%	84%	81%	71%	-	79%	39%
Overall satisfaction 2018	74%				82%					









#### Satisfaction with current hearing aids



**%dissatisfied**= % very dissatisfied + % dissatisfied + % somewhat dissatisfied **%satisfied**= % somewhat satisfied + % satisfied + % very satisfied

\* % of satisfied HA owners compared to EuroTrak 2015

dissatisfied satisfied







**%dissatisfied** = % very dissatisfied + % dissatisfied + % somewhat dissa **%satisfied** = % somewhat satisfied + % satisfied + % very satisfied

\* % of satisfied HA owners compared to EuroTrak 2015

dissatisfied satisfied







Factors influencing satisfaction with current HA: Sound quality/signal processing is most important for overall satisfaction with HA

		Influence on overall satis- faction with HA*	
	Quality of dispensers counseling		0.64
Dispenser	Professionalism of dispenser		0.63
	Quality of service during hearing aid fitting period		0.62
	Quality of service after purchase		0.61
Sound quality	Clearness of tone and sound		0.75
signal process.	Comfort with loud sounds		0.73
	Natural sounding		0.73
	Richness or fidelity of sound		0.71
Product			
features	Reliability		0.68
	Overall fit/ Comfort		0.68
	Managing whistling/feedback/buzzing		0.64
	Visibility to others		0.62
	Value (performance versus money spent)		0.60
	Ease of changing battery		0.59
	Battery life		0.55

\*The Influence has been calculated with a correlation: 0 means no relation between a criterion and overall satisfaction; 1 means a maximal relationship. Read: clearness of tone and sound is the most important criterion for satisfaction.







#### Important listening situations

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



Hearing aid (n=550)
Hearing loss but no hearing aid (n=761)







### Positive impact of hearing aids, quality of life









Significant positive impact of HAs on different aspects: Especially communication effectiveness, participating in group activities, relationships at home and social life improve with hearing aids.

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).



HA-owner, n=550







### Impact of HAs is perceived more positive by patients with a Top 50% hearing loss in all aspects













### 2 out of 3 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?











# Even for other people in the household/relatives, the situation improves when the person with hearing loss starts wearing hearing aids

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



Someone in HH / parent has HA, n=510









97% 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 analyse reasons of non-adoption we look at the Top 50% HL group, 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=550)		er	%HA-Non- owner Low 50% HL (n=404)	%HA-Non- owner Top 50% HL (n=201)		
Ears impaired							
Unilateral loss	26%			54%	24%		
Bilateral loss	74%			46%	76%		
				More similar			
Perceived loss				hearing loss- structure			
Mild		8%		39%	$\rightarrow$	4%	
Moderate		53%		54%		60%	
Severe		34%		6%		34%	
Profound		5%		1%		2%	







#### Top 10 reasons for not having a hearing aid (I/II)

Cannot afford a hearing aid Ear doctors opinion (ENT) Uncomfortable Family doctors opinion (GP) Hearing Aid Dispenser/Audiologists opinion Have more serious priorities They do not restore your hearing to normal They do not work well in noisy situations Would be embarrassed to wear a hearing aid Hearing loss not severe enough

-														
			56	%					18%			26%		
		4	2%					29%				29%		
		39	%				25%				369	%		
		40	1%				22%				38%	6		
		40	%				22%				38%	6		
		38%	%			2	24%				39%	D		
	25%	6			28	%				4	47%			
	3	1%			2	21%				4	8%			
	279	%			249	⁄₀				49	9%			
	20%			29	%					51	%			
)%	10%	20	1% 3	0%	40	1%	50%	60	% 7	70%	80%	90	%	10
	Rea	ason	S	omew	hat a	a reaso	ı	Not	a reas	son				



Base: non owners Top 50% HL: n=201







#### Less important reasons for not having a hearing aid (II/II)

Hear well enough in most situations Have tinnitus (ringing in ears) Have hearing loss only with high pitch sounds Have not had hearing tested yet Another hearing aid owners opinion Have hearing loss only with low frequency sounds Bad design Do not admit I have a hearing loss in public Social / Family opinion such as child, spouse, friend Have tried hearing aid and they do not work Have hearing loss in only one ear I have vision or dexterity problems Have Sensor-neural hearing loss (nerve deafness) Hearing problem requires surgery Do not trust Hearing Aid Dispenser/Audiologist Do not know where to get hearing aids Had surgery - hearing aids wont help

_										
5	18%		31%	6			51	%		
)	2	9%	1	4%	,		57%			
5	19%		24%				57%			
t ]	249	%	15%				60%			
ן ו	18%		21%				60%			
5	18%		21%				61%			
ן ו	23%	D	15%				62%			
: ]	24%	/o	11%				64%			
1	17%	1	8%				65%			
$\langle \rangle$	20%	1	0%			70	%			
r ]	16%	149	6			71	%			
; ]	20%	99	%			719	%			
) ]	13%	15%				729	%			
· آ	13%	12%				74%	ָּר			
: ]	11%	13%				76%				
5	17%	7%				76%				
ר ר	15%	7%				77%				
09	% 10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
	Reason	Som	ewhat a	reason	N	lot a reas	on			

Not a reason

Base: non owners Top 50% HL: n=201



They do not work well in noisy situations They do not restore your hearing to normal Have tried hearing aid and they do not work Uncomfortable Have hearing loss only with high pitch sounds Have tinnitus (ringing in ears) Hearing loss not severe enough Hear well enough in most situations Have more serious priorities Have hearing loss only with low frequency sounds



Owners who don't use, n=32







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









69% of hearing aid owners feel that people never make fun of or reject them because of their hearing aids. It is more likely somebody makes fun or rejects a hearing impaired without hearing aid.

Hearing aid owners: Hearing impaired non-owners: How often do you feel you are made How often do you feel you are made fun of or rejected because you are fun of or rejected because your wearing a hearing aid? hearing loss? 4% 2% 11% 28% Never 36% 16% Rarely Occasionally Regularly 69%





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#### Most important triggers to buy









# The most important influencing factors are worsening hearing loss, ENT and significant others (and: price for non owners & audiologist for owners)

**Non-owner:** Think about the option to obtain / purchase a hearing aid. What do you think would influence you to obtain / purchase a hearing aid ?











### The most important trigger to buy a hearing aid is the ENT, the audiologist and worsening hearing loss.

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







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## 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 of 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				
1000	+- 3.1	+- 2.2				
5′000	+- 1.4	+- 1.0				
10′000	+- 1.0	+- 0.7				









# Demographics (1) Hearing instrument adoption rates and populations

					Profiles: Categories add to 100%*			
		Count	Hearing difficulty	Hearing aid adoption rate % (Base=hearing impaired)	No hearing loss	Hearing loss but no hearing aid	Hearing aid	
Gender								
	Male	7'374	10.7%	37.6%	48.5%	55.7%	48.4%	
	Female	7'687	9.2%	44.7%	51.5%	44.3%	51.6%	
Age recoded								
	1 - 14	2'783	1.8%	47.4%	20.2%	3.0%	3.9%	
	15 - 24	1'777	3.3%	39.4%	12.7%	4.0%	3.7%	
	25 - 34	1'791	5.2%	36.0%	12.5%	6.7%	5.4%	
	35 - 44	1'834	5.5%	29.3%	12.8%	8.0%	4.8%	
	45 - 54	2'020	8.9%	38.1%	13.6%	12.6%	11.2%	
	55 - 64	1'871	12.8%	26.1%	12.0%	20.0%	10.2%	
	65 - 74	1'589	18.7%	43.0%	9.5%	19.1%	20.7%	
	74+	1'396	34.6%	51.1%	6.7%	26.6%	40.1%	
Type of household								
	single household	1'528	19.2%	43.6%	9.1%	18.7%	20.8%	
	Couple, no kids	3'935	15.4%	38.9%	24.6%	41.7%	38.3%	
	Couple with kid(s)	7'632	5.6%	40.6%	53.2%	28.5%	28.1%	
	Single mom/dad with kid(s)	876	4.6%	42.7%	6.2%	2.6%	2.8%	
	Retirement home, hospital etc.	175	36.2%	51.1%	0.8%	3.5%	5.2%	
	Other	916	8.1%	39.9%	6.2%	5.0%	4.8%	









# Demographics (2) Hearing instrument adoption rates and populations

				Profiles: Categories add to 100%*			
	Count	Hearing difficulty	Hearing aid adoption rate % (Base=hearing impaired)	No hearing loss	Hearing loss but no hearing aid	Hearing aid	
Status							
The head of the household (alone or together with someone)	6'870	15.3%	39.8%	42.9%	71.2%	67.7%	
The spouse of the head of the household	3'569	10.0%	43.3%	23.7%	22.7%	25.0%	
Daughter/son of head of household	4'109	1.7%	43.4%	29.8%	4.5%	4.9%	
Other person	513	5.6%	50.5%	3.6%	1.6%	2.4%	
Employment							
Full time employed	5'565	8.3%	36.9%	48.0%	33.8%	28.9%	
Part time employed	727	8.9%	32.3%	6.2%	5.1%	3.5%	
Unemployed / not working	1'179	6.3%	25.3%	10.4%	6.4%	3.2%	
Retired under a disability pension scheme (fully or partly)	236	16.5%	47.3%	1.9%	2.4%	3.1%	
Early retired under an early retirement benefit scheme	292	20.1%	42.3%	2.2%	3.9%	4.2%	
Retired (at the official retirement age)	3'022	24.0%	44.9%	21.6%	46.4%	55.2%	
Student / pupil / in training	1'067	2.6%	39.5%	9.8%	1.9%	1.8%	
Education							
Brevet	1'272	16.4%	40.1%	10.0%	14.6%	14.2%	
CAP-BEP	2'359	13.5%	38.3%	19.2%	22.9%	20.7%	
Baccalauréats	2'460	9.8%	42.5%	20.9%	16.2%	17.5%	
BTS - DUT	1'673	9.3%	35.3%	14.3%	11.7%	9.3%	
License (BAC+3)	1'483	10.4%	40.3%	12.5%	10.7%	10.6%	
Master 1 et 2 - Diplôme d'Ingénieur	1'669	10.4%	43.1%	14.1%	11.4%	12.6%	
Doctorat	398	11.7%	68.4%	3.3%	1.7%	5.4%	
Autre	775	19.2%	38.1%	5.9%	10.7%	9.6%	

