

English 🗸

Introduction

Welcome!

We are conducting research on the consumer preferences for headphone and hearable devices. This survey should take about 10 minutes and your answers are completely anonymous.

If you have any questions about the survey, please email us: p.v.klager@tilburguniversity.edu

We really appreciate your input! Thank you for your time!

Important terms:

Headphones are loudspeaker drivers worn on or around the head over a user's ears with the primary purpose of sound transmission.

Hearables (also called smart headphones) are technically advanced, electronic in-ear-devices designed for multiple purposes ranging from wireless transmission to communication objectives, medical monitoring, hearing enhancement and fitness tracking.

Needs & Wants

Please rate how much you disagree or agree with the following statement.

	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Completely agree
I am likely to buy new headphones in the next 1- 3 years.	0	0	0	0	0	0	0

When buying new headphones, I take into account whether...

	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Comple agre
the headphones are optimized to make phone calls (e.g., sound, voice pick-up).	0	0	0	0	0	0	0
the headphones are optimized for hearing enhancement (e.g., support and improve personal hearing).	0			0		0	0
the headphones are optimized for voice control (e.g., siri, voice recognition).	0	0	0	0	0	0	0
the headphones are optimized for monitoring of fitness parameters (e.g., heart rate, VO2max).		0		0		0	0

	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Comple agre
the headphones are optimized to listen to music / audio content (e.g., noise cancelling).		0		0			
the headphones are optimized for hearing health (e.g., hearing protection).		0	0	0		0	0
the headphones are optimized for direct translation (e.g., language translation during conversations).							

In case I face hearing problems the future (e.g., slight hearing loss),

			Neither			
			agree			
Completely		Somewhat	nor	Somewhat		Comple
disagree	Disagree	disagree	disagree	agree	Agree	agre

I would trust a headphone product to deliver the same functionality as a hearing aid.	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Comple agre
I would be more likely to buy a product to help with my hearing from a consumer electronics manufacturer than from a medical company.				0			
I would prefer to wear a headphone over a hearing aid (given that both provide the same benefits).	0	0	0	0	0	0	0

I would see a benefit in having headphones with hearing	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Comple agre
enhancement functionality (i.e., amplify speech, personalized hearing profile).		0	0	0	0	0	0
I would refuse to wear a hearing aid until the problem gets really severe (i.e., not being able to participate in conversations).							0
I would use a headphone as a first start to enhance my hearing before trying other options (e.g., hearing aid).		0	0	0	0	0	0

Type & Degree of Hearing Loss

What is your type and respective degree of hearing loss?

None Mild Moderate Severe Profound

	None	Mild	Moderate	Severe	Profound
My degree of hearing loss is	\circ	\circ	\circ	\circ	\circ
High frequencies	0	\bigcirc	\bigcirc	\bigcirc	\circ
Loss of focus in conversations	\circ	\bigcirc	0	\circ	\circ
Tinnitus/noise disturbance	\circ	\bigcirc	\bigcirc	\circ	\circ

Identifying Hearing Loss

Please rate how much you disagree or agree with the following statements.

			Neither			
			agree			
Completely		Somewhat	nor	Somewhat		Complet
disagree	Disagree	disagree	disagree	agree	Agree	agree

I often have difficulties to understand what somebody says when I am in noisy environments (e.g., restaurants, crowds).	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Completa agree
Not long ago, I went for a medical check of my hearing.		0	0	0	0	0	0
I have the feeling that I do not hear as well today as I used to in the past.		0	0	0	0	0	0
I often need to ask others to speak more slowly, clearly or loudly in conversations.		0	0	0	0	0	0
I often watch television with the volume higher than what my friends or family need it to be.	0	0		0		0	0

Personality Traits & Demographics

How old are you?	
What is your gender?	
Male Female Diverse	
Which country are you from?	
	~
I would consider myself to be a persor	ገ
No.	either

Somewhat

disagree

Completely

disagree

Disagree

agree

nor

disagree

Somewhat

agree

Complete

agree

Agree

that adopts innovative products early-on.	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Completo agree
that has difficulties to accepting that aging comes with certain weakness		0	0	0	0	0	0
that behaves in a environmental friendly way.	0	0	0	0	0	0	0
that always has the latest products.	0	0	0	0	0	0	0

Lifestyle Characteristics

How much do you agree or disagree with the following statements describing your lifestyle?
Please state on a scale from 1 (strongly disagree) to 5 (strongly agree) what applies to you.

		Neither		
1-Strongly	Somewhat	agree nor	Somewhat	5-Strongly
disagree	disagree	disagree	agree	agree

	1-Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	5-Strongly agree
My life is perfect just as it is today - I would change nothing even if I could.	0	0	0	0	0
I am continuously looking for new opportunities, challenges.		0	0	0	0
I love entertaining family/friends at home.	\circ	0	0	0	0
Maintaining a healthy lifestyle is a top priority for me.	0	0	0	0	0
For me, my work is the most important thing.	0	0	\circ	0	0
I find it almost impossible to balance everything I have going on in my life right now.	0	0	0	0	0
It is important for me to be seen as fashionable, on trend.	0	0	0	0	0
I have a preference for premium products.	0	\circ	\circ	\circ	0
I set the bar really high for everything I do.	\circ	\circ	\circ	0	0

	1-Strongly	Somewhat	Neither agree nor	Somewhat	5-Strongly
	disagree	disagree	disagree	agree	agree
I spend money on whatever I want and don't really worry about saving money.	0		0	0	0
Store & Media	Usage				
Where would yo	ou prefer	to buy he	eadphon	es?	
Online (i.e., online s Offline (i.e., physico					
Where would you hearing aid dev	-	to buy a	hearing (enhancer	ment /
O electronic market (O medical specialist					
I would conside	er				

	Completely disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Completely agree
to buy a hearing aid in a consumer electronic market (e.g., Media Markt).		0		0	0		

How often do you...

	Everyday	Once a week	Biweekly	Once a month	Less often
visit a store / online shop to browse consumer electronics products.	0	0	0	0	0
read blogs, magazines, and/or product tests on consumer electronics.	0		0	0	
seek advice from friends on new consumer electronic products.	0	0	0	0	0

	Everyday	Once a week	Biweekly	Once a month	Less often
hear about consumer electronic products via social media (e.g., Instagram).	0		0	0	
usage social media in general.	\circ	\circ	0	\circ	\circ
Ownership					
Do you currently	y own hed	adphone	s?		
O Yes O No					
Do you currently	y own Ser	nnheiser	headpho	nes?	
O Yes O No					
Which headpho	ne branc	do you	currently	own?	
O AKG					

\bigcirc	Apple
\bigcirc	Audio-Technica
\bigcirc	Beats
\bigcirc	Bose
\bigcirc	BreyerDynamic
\bigcirc	Jabra
\bigcirc	Jaybird
\bigcirc	JBL
\bigcirc	Panasonic
\bigcirc	Philips
\bigcirc	Samsung
\bigcirc	Sennheiser
\bigcirc	Shure
\bigcirc	Sony
\bigcirc	Sullcandy
\bigcirc	Other
\bigcirc	Do not own headphones at the moment
\	Which headphone type do you own?
\bigcirc	in-ear
\bigcirc	on-ear / over ear
\bigcirc	Do not own headphones at the moment

Which headphone type do you own?

O wireless
O non-wireless
O Do not own headphones at the moment
Do you currently own a hearing aid, assistive listening device or other technology for hearing enhancement?
O Yes O No
Do you expect to need a hearing aid, assistive listening device or other technology for hearing enhancement in the next 5 years?
O Yes O No
Purchase
Which headphone brand would be your first choice?
O AKG O Apple

\bigcirc	Audio-Technica
\bigcirc	Beats
\bigcirc	Bose
\bigcirc	BreyerDynamic
\bigcirc	Jabra
\bigcirc	Jaybird
\bigcirc	JBL
\bigcirc	Panasonic
\bigcirc	Philips
\bigcirc	Samsung
\bigcirc	Sennheiser
\bigcirc	Shure
\bigcirc	Sony
\bigcirc	Skullcandy
\bigcirc	Other
H	low much would you spend on new headphones? (in €)
Г	

Please use the slider to indicate the following **in %**?

% % % 0 10 20 30 40 50 60 70 80 90 100

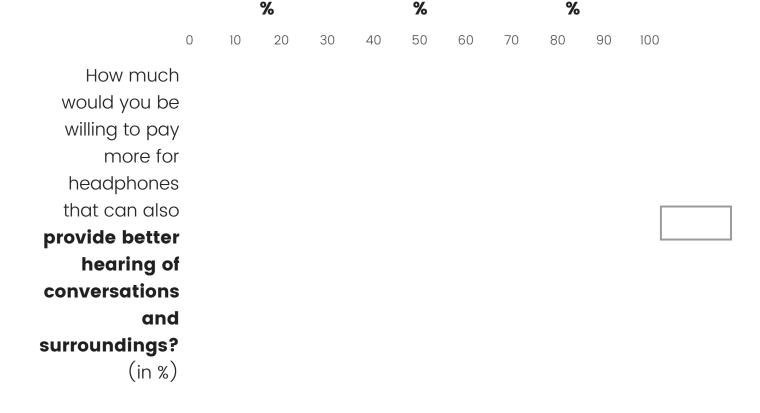
How much would you be willing to pay more for headphones that can also monitor fitness parameters (e.g. heart

How much would you be willing to pay more for headphones that can also

rate)? (in %)

translate speech during conversations?

(in %)



Hearables Awareness & Purchase

- (1) Which of these **hearables** brands have you heard of before?
- (2) In case of a hearing loss, which of these hearables brands would you consider to purchase?

A hearable is a smart, wireless, in-ear audio device that include features for use cases beyond music consumption, for example hearing enhancement, medical monitoring, and/or fitness tracking.

Awareness	Purchase
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	AAArosveveests	Aurshers 2
	Answer l	Answer 2
AKG		
Apple		
Audio-Technica		
Beats		
Bose		
BeyerDynamic		
Jabra		
Jaybird		
JBL		
Lucid		
NUHEARA		
Olive		
Panasonic		
Phonak		
Samsung		
Sennheiser		
Shure		
Signia		
Sony		
Skullcandy		

Sennheiser, you can leave this question emp	ty.
Affordable	
Customizable settings	
Durable Durable	
Excellent sound quality	
Good price-quality ratio	
Health & fitness monitoring	
Hearing enhancement	
Long battery life	
Premium products	

Stylish

What are your associations with Sennheiser? You can

choose multiple items from the list. If you don't know

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