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MarkeTrak 10 survey results: Hearing aid benefit and satisfaction rates remain high

Erin M. Picou

Featuring Thomas Powers

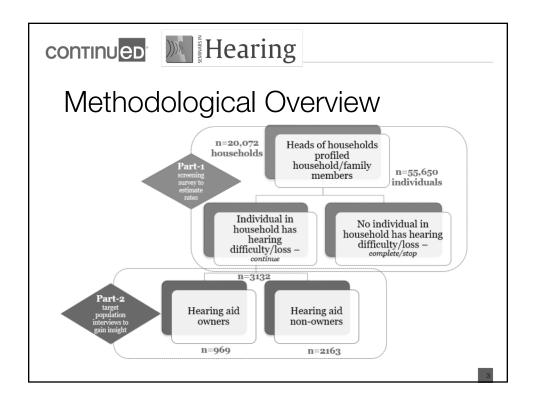
28 February 2020



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 - Honorarium in exchange for today's webinar
- Today's webinar
 - Thomas Powers
 - Hearing Industries Association
 - Seminars in Hearing







Today's respondents...

- Completed the MarkeTrak 10 survey
- Are hearing aid owners
- Fitted by a professional
- Control group with a matched degree of hearing difficulty (no hearing aids)





Learning Outcomes

After this course, participants will be able to:

- Describe current rates of hearing aid satisfaction
- Describe the effects of hearing aid use on mental health and quality of life
- Describe the current status of the hearing aid marketplace in terms of hearing aid use and ownership.



Overarching Themes

- What's going well?
 - Areas where hearing aids providing benefit
 - Areas where people report satisfaction
 - Skills hearing aid users seem to have mastered



- What could we do better?
 - Areas where technologies could be improved
 - Skills we could teach clinically
 - Ways service delivery could be improved





Who are you?

Let's do a quick poll





Hearing loss has consequences

- Reduced speech recognition, especially in noise
 - Humes & Roberts (1990), Plomp (1986), Bronkhorst (2000), Sherbecoe & Studebaker (2002)
- Increased depressive symptoms
 - Kramer et al (2002), Cacciatore et al (1999)
- Increased risk of isolation
 - Stam et al (2016), Mick et al (2014), Hawthorne (2008)
- Reduced quality of life
 - Dalton et al (2003), Chia et al (2007), Gopinath et al (2012)





Hearing aids can help



- Improved speech recognition
 - Hearing aids general (e.g., Humes et al 2002; Hornsby 2013; Shanks et al 2002)
 - Noise reduction (e.g., Wu 2010; Sarampalis et al 2009; Ricketts & Henry 2002)
 - Streaming (e.g., Picou & Ricketts 2011; Au et al 2019)
- Downstream consequences
 - Depressive symptoms (e.g., Acar et al 2011; Gopinath et al 2009)
 - Isolation (e.g., Weinstein et al 2016; Joore et al 2003)
 - Quality of life (e.g., Chisolm et al 2007; Kitterick & Ferguson 2018)



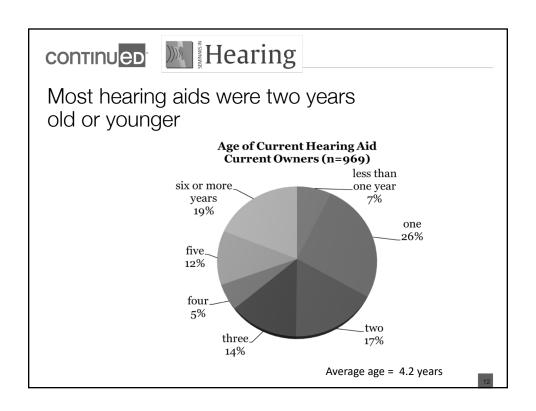
Hearing aids don't cure hearing loss

- Low adoption rates (see Jorgenson's article)?
- Low benefit rates?
- Low use rates?
- Low satisfaction rates?

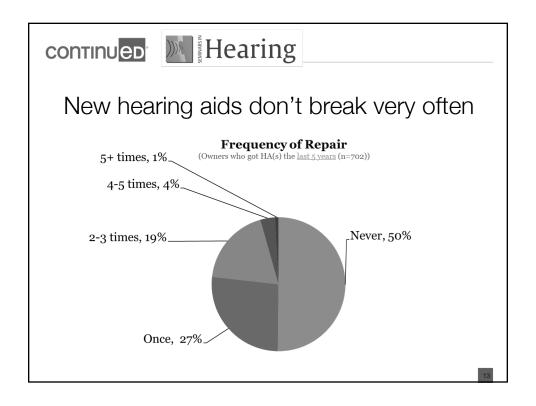


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Current Trends





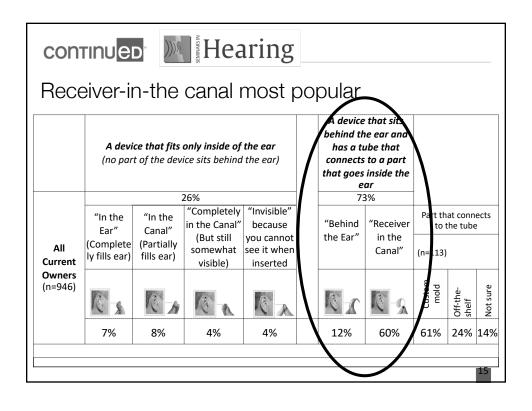


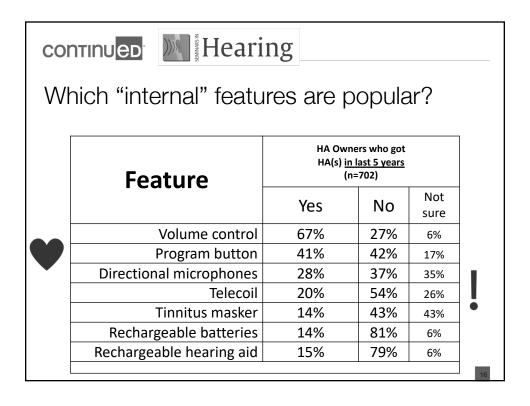
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What is the most popular hearing aid style?

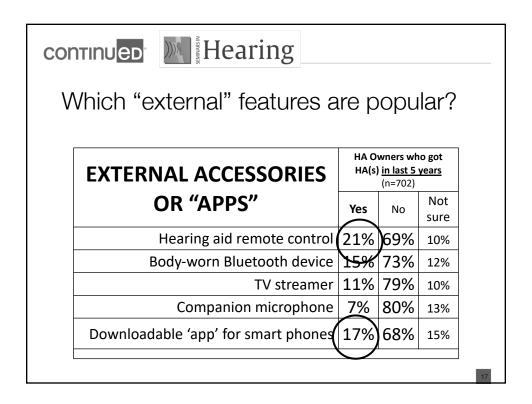
Let's do a quick poll

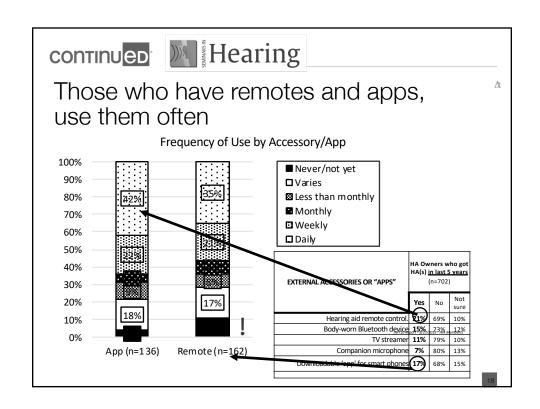








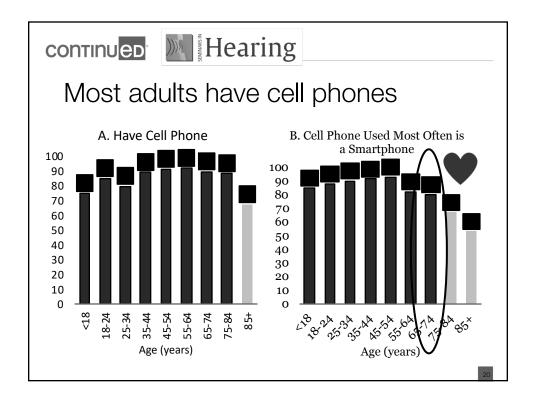




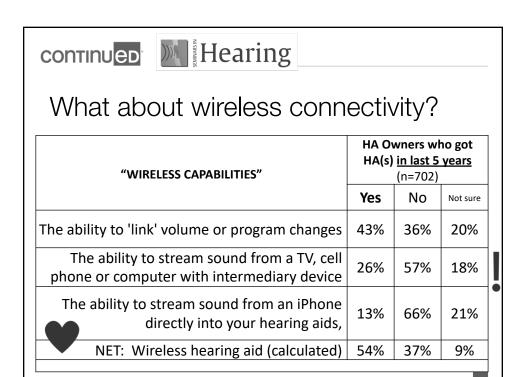


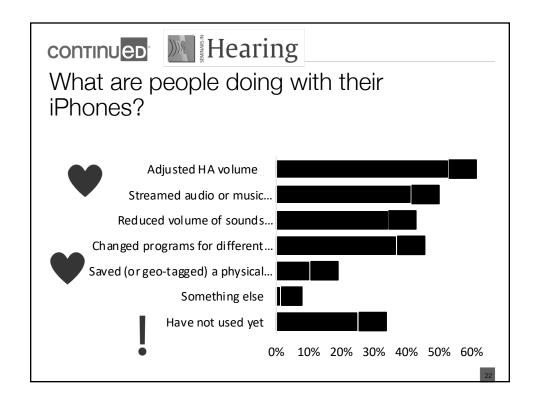
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What about wireless connectivity with smartphones?

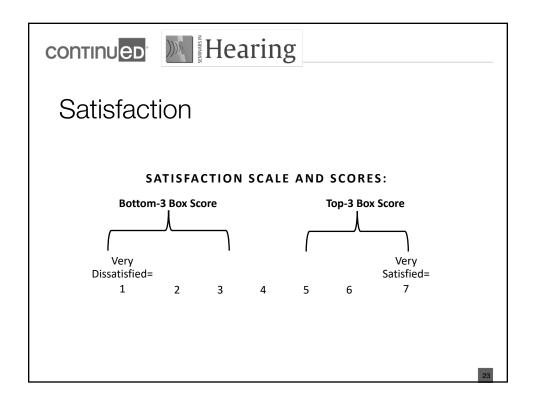










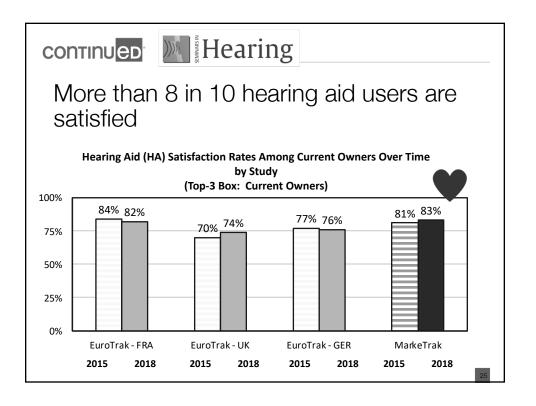


continued Mearing

How many people are satisfied with their hearing aids?

Let's do a quick poll







Factors related to satisfaction

- Perceived hearing difficulty
 - Cox et al (2007); Uriarte et al (2005)
- Initial attitude toward hearing aids
 - Wilson & Stephens (2003); Gatehouse (1994)
- Hearing loss self management
 - Convery et al (2019)
- Self-efficacy
 - Ferguson et al (2016)
- Perceived social support
 - Singh et al (2015)







Factors not related to satisfaction

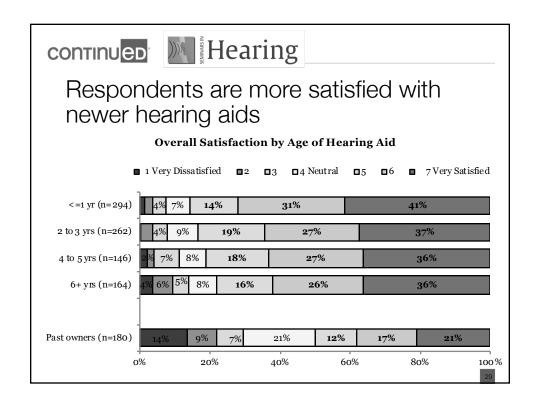
- Puretone average
 - Cox et al (2007); Gatehouse (1994); Hickson (1999)
- Age
 - Uriarte et al (2005); Gatehouse (1994); Hickson (1999)
- Gender
 - Uriarte et al (2005); Gatehouse (1994); Hickson (1999); Jerram & Purdy (2001)
- Employment status
 - Hickson (1999); Jerram & Purdy (2001)

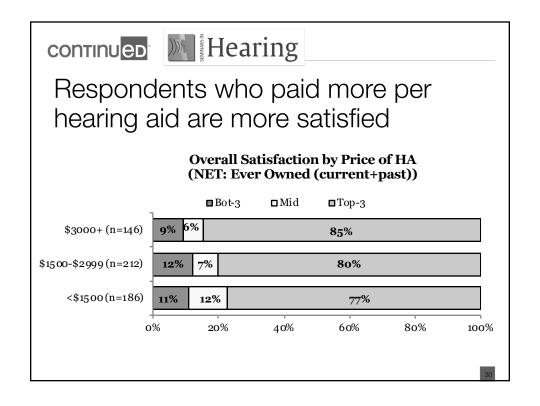


MT10 hearing aid factors related to satisfaction

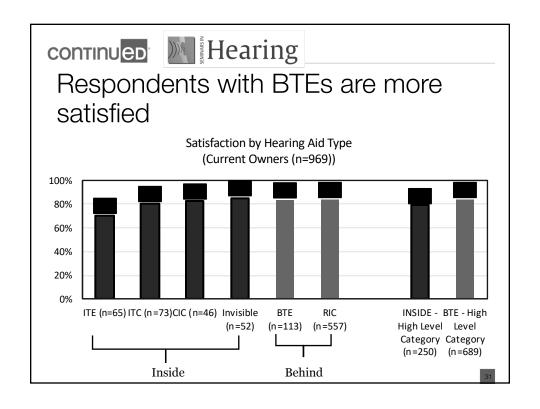
- Hearing aid age
 - Newer hearing aid → more satisfaction
- Hearing aid cost
 - \$3000 / aid → more satisfaction
- Hearing aid style
 - BTE users → more satisfied
- Hearing aid features
 - Some features → more satisfied

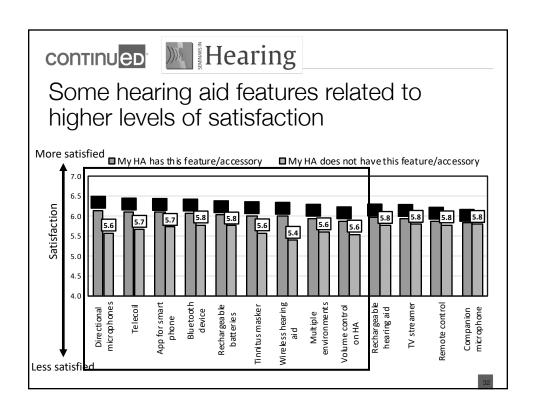
















Hearing aid features associated with satisfaction summary

- Directional microphones
- Telecoil
- App for smartphone
- Bluetooth device
- Rechargeable batteries
- Tinnitus masker
- Wireless hearing aid





Hearing aid features not associated with satisfaction

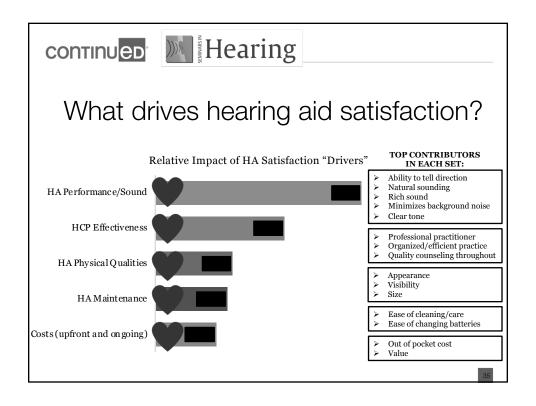
- Remote control
- Companion microphone
- TV streamer

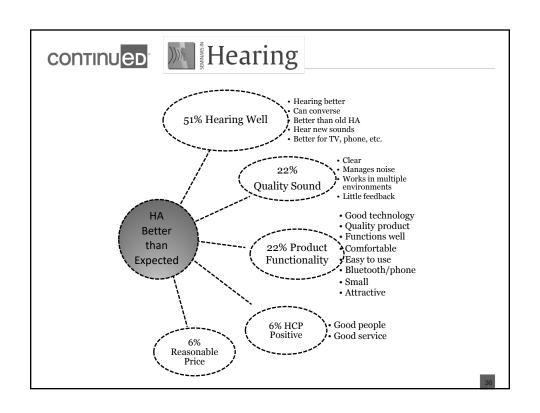




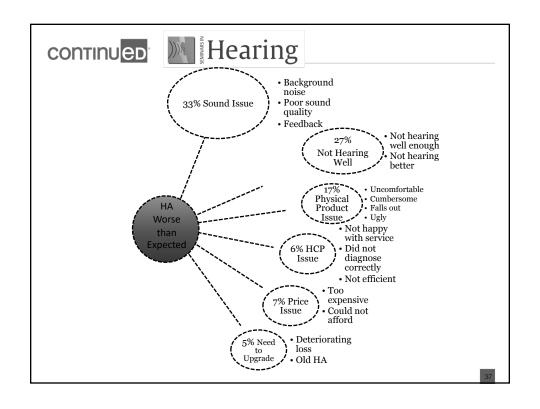


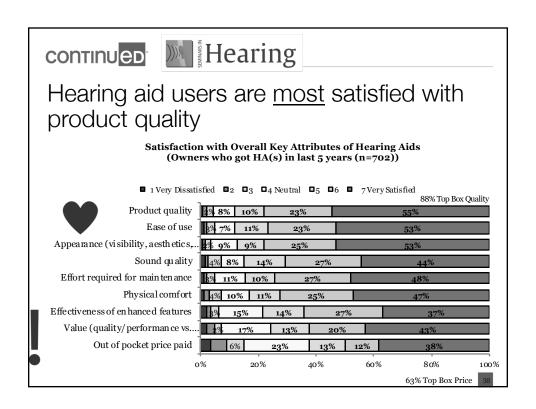




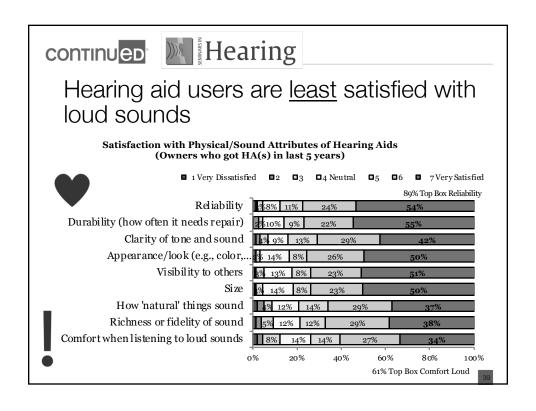


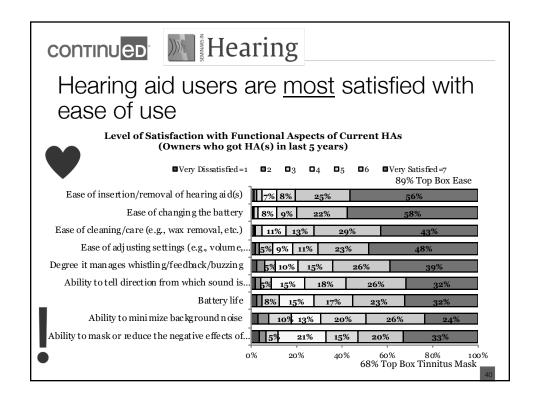
















Satisfaction Summary

- 8 of 10 hearing aid users are satisfied
 - Newer hearing aids
 - Cost >\$3000
 - BTEs
 - Features active (not remote microphone)
- Drivers of hearing aid satisfaction
 - Sound quality
 - Hearing care professional effectiveness







Satisfaction Summary

- Things more hearing aid users are satisfied with
 - Product quality
 - Ease of use
 - Appearance
 - Ease of insertion/ removal
 - Ease of changing the battery
 - Reliability
 - Durability





continued Maring

Satisfaction Summary

- Things fewer hearing aid users are satisfied with
 - Effectiveness of advanced features
 - Value
 - Out of pocket price
 - Naturalness of sound
 - Richness / fidelity of sound
 - Comfort in loud sounds
 - Minimize background noise
 - Tinnitus masking



continued Maring

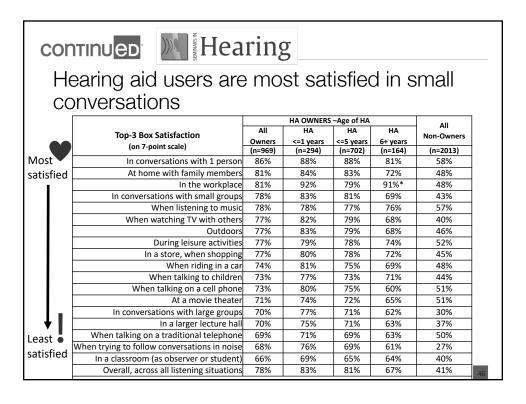


Hearing Aid Benefits Communication Mental Health

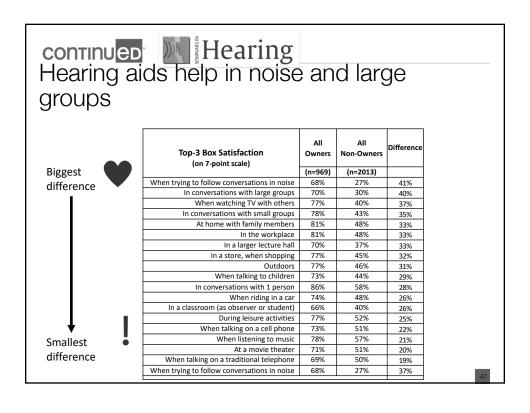


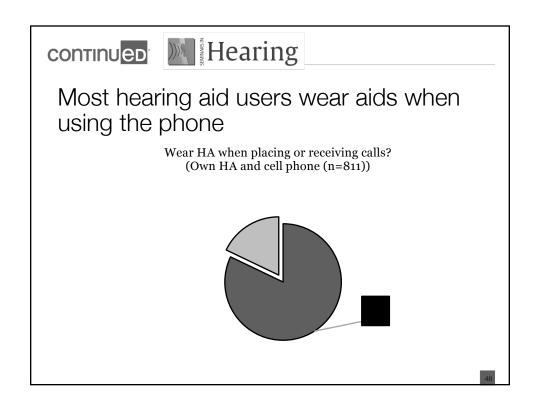


Communication Benefits

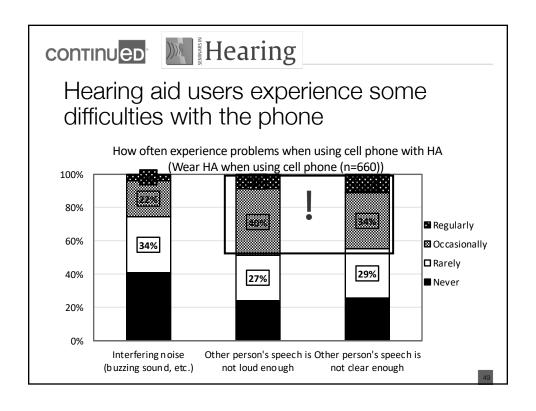


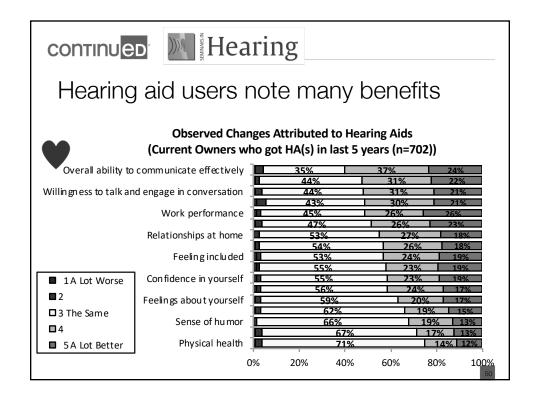




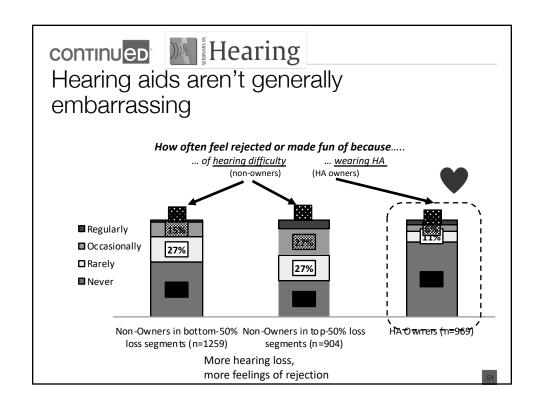


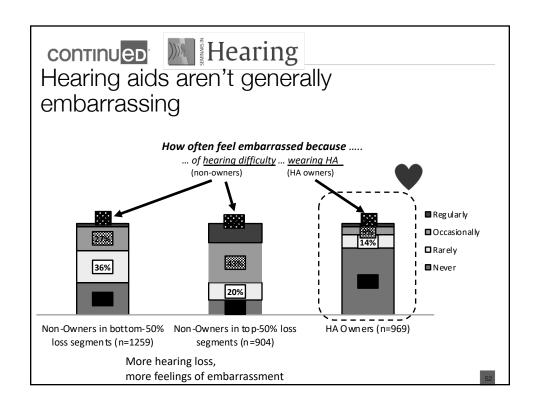


















Summary of Communication Benefits

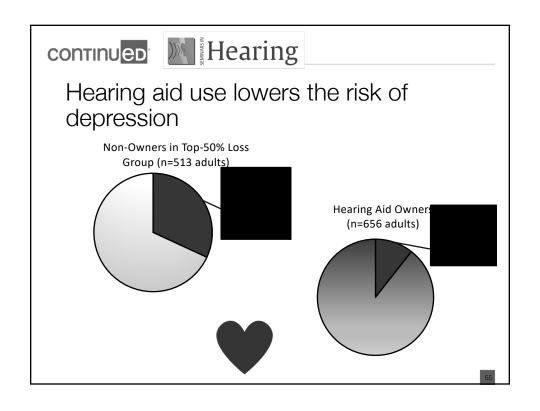
- Most people who wear hearing aids don't report their hearing aids
 - Don't make them feel embarrassed
 - Don't make them feel rejected
- Compared to their peers without hearing aids, more hearing aid users are satisfied
 - Following a conversation in noise
 - Following conversations in groups
- Hearing aid users report that hearing aids help
 - Communicated effectively
 - Engage in conversations
 - Help at work

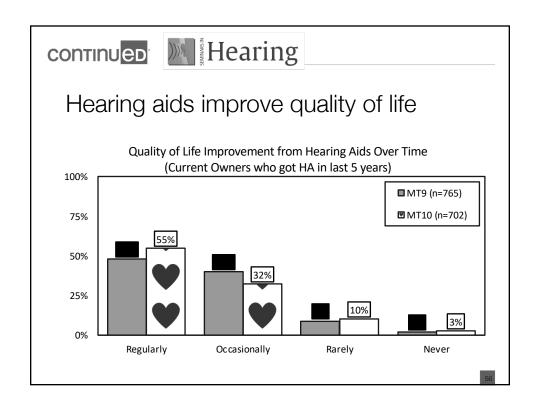




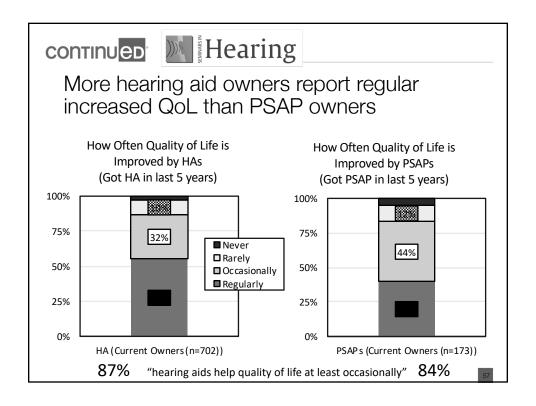
Mental Health Benefits











continued. Manage Hearing

Summary of Mental Health Benefits

- Depression
 - Risk of depression is lower for people with hearing aids than without
- Quality of life
 - Most people (more than 80%) report the hearing aids regularly or occasionally improve their quality of life
 - More hearing aid users (55%) than PSAP users (40%) report their devices regularly improve their quality of life







What's going well?

- Satisfaction rates are relatively high (>80%)
 - Driven by sound quality and effective professionals
 - Influenced by hearing aid age, price, and features
 - Directional microphones, telecoils, streaming
- Evidence of hearing aid benefits
 - Reduced risk of depression
 - Increased reported quality of life
 - Enhanced communication in important listening situations
- Feelings of hearing aid stigma are rare





What can we do better?

 Now's your opportunity to brainstorm with me things we can do individually or as a field to address some of these limitations





What can we do better?

- Many patients are unaware of their features
- Many patients have not yet used their wireless features
 - Counseling
 - See for example: Desjardins & Doherty (2009)
 - Patient-friendly brochures
 - See for example: Caposecco et al (2016)



What can we do better?

- Some external accessories not (yet) related to satisfaction (e.g., companion microphone, television streamer)
 - Might naturally change
 - Patient-centered training
 - Gain settings
 - See for example: Leavitt (2018)



continued Maring



What can we do better?

- Satisfaction with cost (and to a lesser extent) value) is relatively low (63% Top 3 Box)
 - Strive to offer cost-effective services
- Satisfaction with listening to loud sounds is relatively low (61% Top 3 Box)
 - Setting and verification/validation of MPO
- Satisfaction with background noise is relatively low (70% Top 3 Box)
 - Feature-specific training
 - Feature individualization
 - Technological innovation



What can we do better?

- Satisfaction rates are low (69%) for talking on the telephone
 - Many hearing aid users are already using their hearing
 - Most report the volume is too low or the voice over the phone isn't clear
- Difference between hearing aid users and nonusers is small for satisfaction with telephones
 - Carefully consider telephone options for individual patients
 - Adequate gain?
 - Patient training?
 - Best streaming (telecoil, Bluetooth, etc)?

