

SUMMARY

- We found evidence for better sound quality ratings of the music program over the universal program.
- These are style specific: Sound quality of classical, jazz and folk music was rated significantly higher when listened with music program across 3 different HAs.
- Individual factors musicianship, music listening habit, loudness sensitivity and tonal working memory influence sound quality ratings for music and universal program.
- Music performance program was rated as highly successful in 2 case studies, the only critical point being listening to speech and music signal at the same time.

THE FUTURE

Musical style, musical taste and other

individual factors of the subject should

be intelligently recognized by the music

- ♪ Measure uncomfortable sound levels (and match DR_{music} and DR_{individual})
- ♪ Do not use only musicians as subjects
- Investigate individual tastes

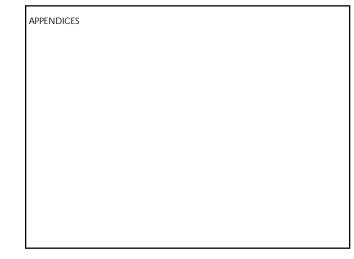


program

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	Musical background	Tonal working memory	Music listening habit	Speech in noise problems	Loudness sensitivity
Definit ion	actively creating music • currently plays instrument • sings in a choir at least twice a week	Outcome measures TWM test: Mean split % correct Mean split Reaction time: Good TWM: Good &fast Bad TW: Bad & slow	How often do you listen to music? Rarely = (never), few times/month, few times/week Often = every day	When I sit together with a group of people in a busy environment, I can follow the conversation. Bad SIN = strongly disagree, slightly disagree Good SIN = slightly agree, strongly agree	I feel uncomfortable in loud environments. Robust = strongly disagree, slightly disagree Sensitive = slightly agree, strongly agree
PTA, Age, TWM	PTA, Age: no sig. differences between both groups	PTA, Age: no sig. differences between both groups	PTA low: group "often" has a sig. higher HL below 1 kHz (t = -2.195, p < .05 *) PTA, Age, TWM: no sig. dlfferences between both groups	PTA, Age: no sig. differences between both groups	PTA, Age: no sig. differences between both groups TVWM: group robust has a higher % correct (z = -1.803, p = .101)
	N _{musician} = 11 N _{nonmusician} = 15	N _{good&fast} = 6 N _{bad6slow} = 6	N _{rarely} = 8 N _{often} = 14	$\begin{array}{l} N_{GoodSiN} \ = 9 \\ N_{BadbSiN} \ = 13 \end{array}$	N _{robust} = 5 N _{sensitive} = 17