ҮНДЭСНИЙ СТАТИСТИКИЙН ХОРОО



HEARING DOMAIN

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HEARING

- Hearing is a sense that includes a number of specific functions – perception of loudness, pitch, discrimination of speech signals, and localization of sounds.
- Hearing is not a simple sensory function and a hearing loss is not easily rectified by the use of a hearing aid.
- Hearing is a body function classified under ICF



Questions tested

- Difficulty hearing with use of hearing aid
- Use of a hearing aid
- Hearing in noise
- Hearing in quiet



Conclusions from cognitive test results

- The first question was kept unchanged as it forms part of the WG Short Set of questions.
- The questions on use and frequency of use of a hearing aid were left unchanged.
- The two questions on hearing in noise and in quiet were reversed starting with 'hearing in a quiet room'.



Field test questions

- ➤ HEAR_SS Do you have difficulty hearing, even when using a hearing aid?- no difficulty, some difficulty, a lot of difficulty, cannot do at all
- ➤ HEAR_1 Do you use a hearing aid? yes, no, refused, don't know
- ➤ HEAR_2 How often do you use your hearing aid(s)? all of the time, some of the time, rarely, never, refused, don't know



Field test questions

- ➤ HEAR_3 Do you have difficulty hearing what is said in a conversation with one other person in a quiet room [even when wearing your hearing aid(s)]?- no difficulty, some difficulty, a lot of difficulty, cannot do at all
- ➤ HEAR_4 Do you have difficulty hearing what is said in a conversation with one other person in a noisier room [even when wearing your hearing aid(s)]? no difficulty, some difficulty, a lot of difficulty, cannot do at all



Field test questions

- ➤ HEAR_5 How old were you when the difficulty hearing began?- age in years, refused, don't know
- ➤ HEAR_6 How much does your difficulty hearing limit your ability to carry out daily activities? not at all, a little, a lot, completely, refused, don't know



Field test results

- ✓ HEAR_SS Across pilot test countries 90 percent of respondents reported "no difficulty" in hearing, Cambodia and Kazakhstan showed the lowest rate of "no difficulty" 87 percent.
- ✓ Very few respondents use a hearing aid 35 in total across all countries. Only 7 respondents reported using their hearing aid all the time, and 13 using it some of the time. A further 8 respondents rarely or never used their hearing aid.



Hear in quiet by HEAR SS

		Hear in quiet room (HEAR_3)				
		no diff	some diff	a lot of diff	cannot do at all	Total
HEAR_SS	no diff	5543	94	5	16	5658
	some diff	272	246	11	0	530
	a lot of diff	17	30	43	0	90
Total		5833	373	59	16	6283

- More people have difficulty on HEAR_SS than in quiet (289 missed by quiet Q)
- •115 missed on HEAR_SS: hearing aid clause?
- •21 respondents with no diff on HEAR_SS but a 'lot of diff' and 'cannot do' on hear in quiet.

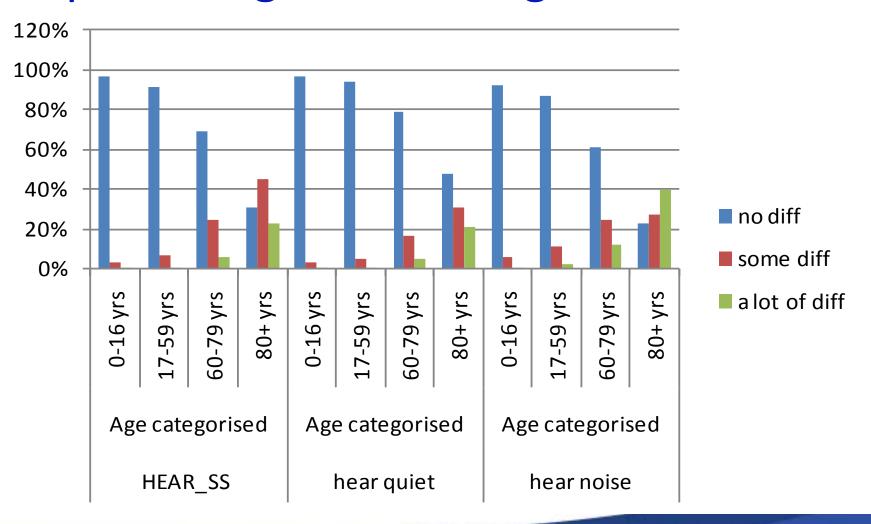
Hear in noise by HEAR_SS

		Hear in noisier room (HEAR_4)				
		no diff	some diff	a lot of diff	cannot do at all	Total
HEAR_SS	no diff	5255	341	40	5	5648
	some diff	64	357	99	9	529
	a lot of diff	1	14	62	13	90
Total		5321	714	203	27	6272

- Hear in noise picks up more people (386 people missed by HEAR_SS)
- •65 people missed on hearing in noise that are picked up by HEAR_SS (? other aspects of hearing – e.g. tinnitus)



Impact of age on hearing difficulties



FIELD TESTING

Impact of hearing difficulty on daily activities

		Total			
HEAR_SS	not at all	a little	a lot	completely	
no diff	229	151	10	1	391
some diff	214	278	31	4	527
a lot of diff	18	27	41	3	89
cannot do at all	2	2	6	4	14
Total	463	460	90	12	1025

- No and some difficulty on SS = no impact
- •A lot of diff --> no impact = ? Effect of noise (false positives?)
- •162 have an impact but no diff on HEAR_SS Impact of other domain difficulties?
- •Cannot do + a little impact = Deaf people?



Main findings for Hearing

- Intent of questions are understood
- hearing in noise is more difficult activity than hearing in quiet
- HEAR_SS is somewhere in between
- Some but relatively small confusion with hearing aid clause
- No major differences between countries of the pilot testing



Recommendation

- Retain the three questions, but possibly change the order where the question about using a hearing aid is asked as the first question
- The revised extended set of questions for hearing include two options



Proposed extended set for hearing: Option 1

- HEAR_1 Do you use a hearing aid? (If yes, use h/aid clause in subsequent questions)
- HEAR_2 How often do you use your hearing aid(s)?
- HEAR_SS Do you have difficulty hearing [even when wearing your hearing aid]?



Proposed extended set for hearing: Option 1

- HEAR_3 Do you have difficulty hearing what is said in a conversation with one other person in a quiet room [even when wearing your hearing aid(s)]?
- HEAR_4 Do you have difficulty hearing what is said in a conversation with one other person in a noisier room [even when wearing your hearing aid(s)]?



Proposed extended set for hearing: Option 2

- HEAR_1 Do you use a hearing aid? (If yes, use h/aid clause in HEAR_SS)
- HEAR_2 How often do you use your hearing aid(s)?
- HEAR_SS Do you have difficulty hearing [even when wearing your hearing aid]?

THANK YOU FOR YOUR ATTENTION

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