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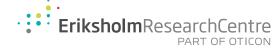
Searching the Internet for health information

Common

Influential



Variable quality and readability



Aim

Assess the quality and readability of Internet information on hearing impairment and hearing aids

- Search for websites adults with hearing impairment and their significant others are likely to find when searching for information on the Internet
- 2. Evaluate their quality and readability



Methods

Define language(s) and search engine(s)

English

Google

Design search: Keywords from panel of 12 audiology experts

deaf

deafness

hard of hearing

hearing

hearing aids

hearing difficulties

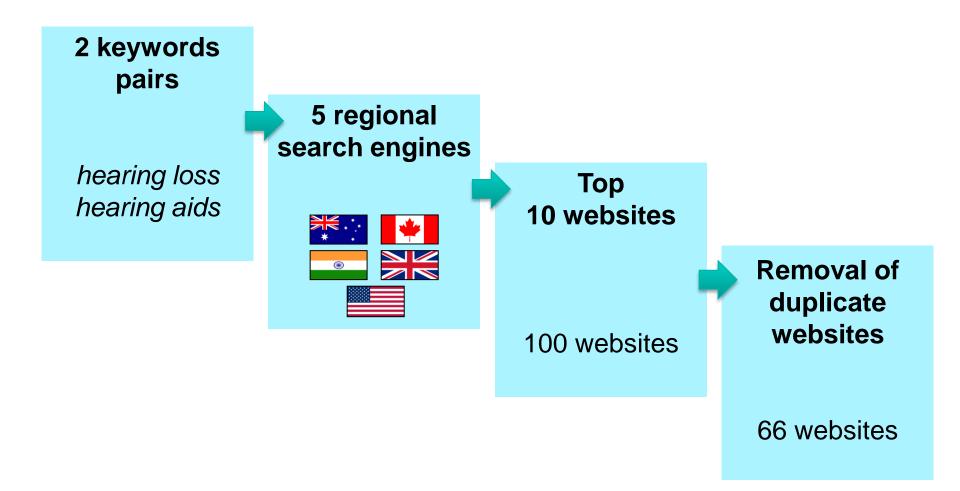
hearing loss

hearing problems





Methods





Measures (N = 66 websites)

Quality DISCERN
Readability Flesch-Kincaid Grade Level

Quality: DISCERN

For consumer health information on treatment choices

- 1. Are the aims clear?
- 2. Are the aims achieved?
- 3. Is it relevant?
- 4. Is it clear what sources of information were used?
- 5. Is it clear when the information used or reported was published?
- 6. Is it balanced and unbiased?
- 7. Does it provide additional sources of support and information?
- 8. Does it refer to areas of uncertainty?
- 9. Does it describe how each treatment works?

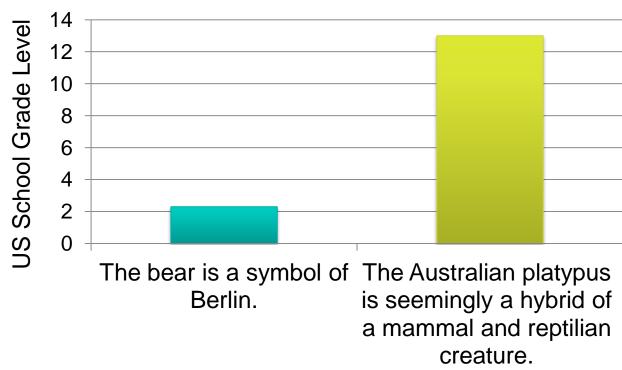
- 10. Does it describe the benefits of each treatment?
- 11. Does it describe the risks of each treatment?
- 12. Does it describe what would happen if no treatment is used?
- 13. Does it describe how the treatment choices affect overall quality of life?
- 14. Is it clear that there may be more than one possible treatment choice?
- 15. Does it provide support for shared decision-making?



Readability: Flesch-Kincaid Grade Level

Word length and sentence length

Readability: Flesch-Kincaid Grade Level

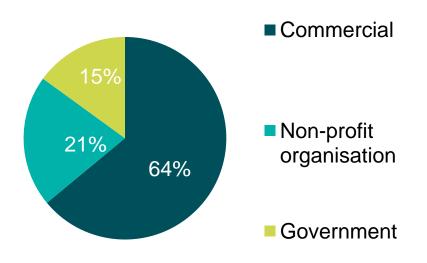


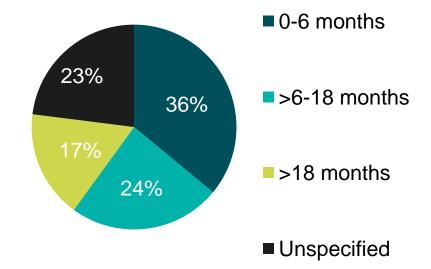


Origin and date of last update

Origin (N = 66)

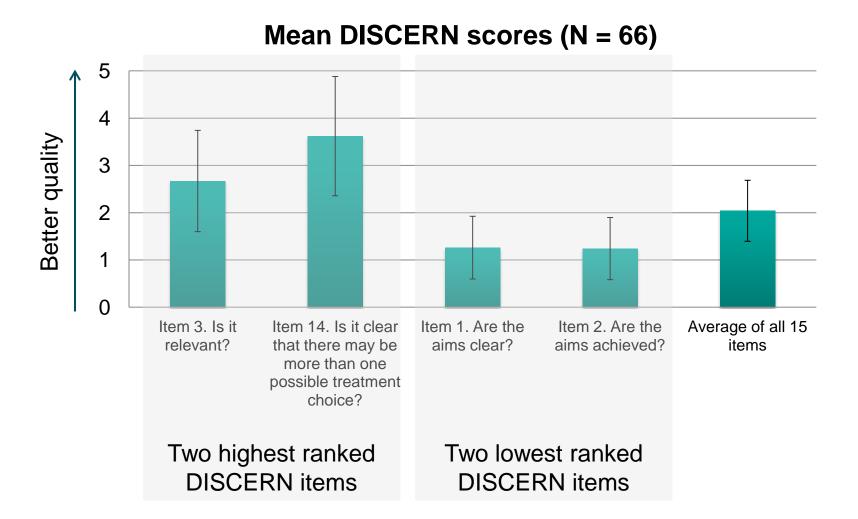
Date of last update (N = 66)







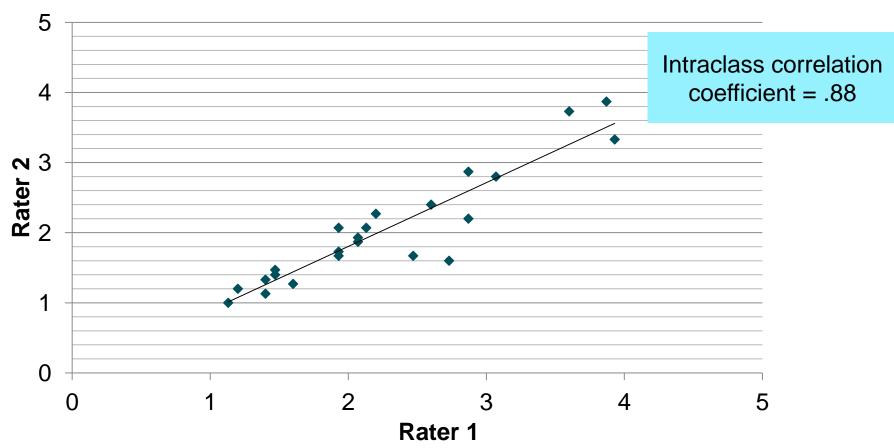
Quality: DISCERN scores





DISCERN scores: Inter-rater reliability

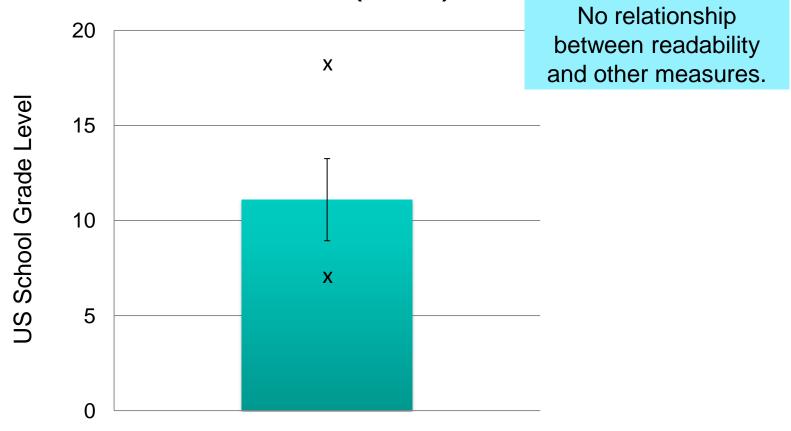
DISCERN scores inter-rater reliability (n = 23)





Readability: Flesch-Kincaid Grade Level scores





x = range



Star websites

www.hearingloss.org www.hiddenhearing.co.uk www.listenupcanada.com

www.mayoclinic.com/health/hearing-loss/DS00172

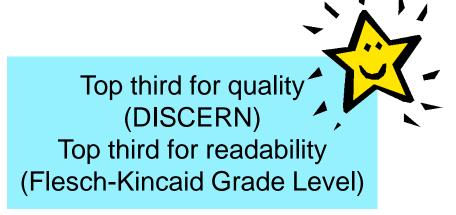
www.naturalhearing.co.uk

//chha.ca

//en.wikipedia.org/wiki/Hearing_aid

//nihseniorhealth.gov/hearingloss

//speechhearingaid.com/speechhearingaid/hearing-aids.html



Implications

Star websites and quality criteria can help web developers, clinicians, and clients

Average readability level difficult

Websites in this study less readable than hearing aid instruction guides



To find out more



Laplante-Lévesque A, Brännström KJ, Andersson G & Lunner T. (2012). Quality and readability of English-language internet information for adults with hearing impairment and their significant others.

International Journal of Audiology, 51, 618-626.





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