

Supplemental Material S1. A summary of survey study results provided by HHPs in relation to the implementation of speech testing practices in adult audiology across the world.

Study	Country	HHPs	Use of Speech Tests	Transducer	Use/Barriers
(Martin et al., 1998)	USA	218	SDT: 69% SRT: 99.5%	Monitored live voice: 94%	N/A
(DeBow & Green, 2000)	Canada	115	Word recognition threshold measures: 85%	Monitored live voice: 89% Supra-aural headphones: 90%	N/A
(Kirkwood, 2005)	USA	674	Speech audiometry: Never: 1.2%, half the time: 1.2%, always: 90.8%	N/A	N/A
(Easwar et al., 2013)	India	199	SRT only: 24% SRT & speech identification: 38.7% SRT & SIN: 2.5% SIN only: 2% No routine speech tests: 19%	N/A	N/A
(Nandurkar et al., 2015)	India	59	Speech perception tests: Always: 22%, often: 34%, sometimes: 36%, rarely/never: 8% SIN: Always: 5%, often: 29%, sometimes: 34%, rarely: 17%	Headphones: 21% Sound-field: 15%	Reasons for using speech tests: assess hearing aid efficacy: 76%, hearing aid candidacy assessment: 63%, assessing patient difficulties: 52%, diagnostics: 39% Barriers: Time constraints, lack of adequate material, lack of ideal setting, lack of proficiency in the client's first language
(Alanazi, 2017)	Saudi Arabia	23	SRT: 65% SDT: 48% SIN: 0%	N/A	N/A
(Ali et al., 2017)	Malaysia	111	Speech audiometry: Never: 62.24%, half the time: 26.53%, usually/always: 11.22%	N/A	N/A
(Myles, 2017)	Australia	312	AB word lists: Routine use: 95% In quiet: 99.6%, in noise: 5%	Live voice: 2%, ear specific transducer: 66%,	Reasons for use: Cross-check pure tone audiogram: 96%, diagnostic: 83%, counselling: 87%, protocol requirement: 63%, rehabilitative: 79%
(American Speech-Language-Hearing Association, 2019)	USA	751	Implementation of SIN testing to validate treatment outcomes: Daily/weekly: 35% Monthly: 26% Never: 39%	N/A	N/A
(Anderson et al., 2018)	USA	251	Initial hearing aid fitting: SRT & word recognition: 98% Unaided SIN: 80% Aided SIN: 66% (often or sometimes) Fine tuning of hearing aids: SIN: 67% Speech-in-quiet: 66% (often or sometimes)	N/A	N/A
(Thakor, 2020)	South Africa	107	SRT: Never: 13%, rarely: 7%, occasionally: 5%, sometimes: 7%, frequently: 9%, usually: 12%, always: 47% SIN: 36%	Live voice: 82% Pre-recorded: 8%	Use of SRT: calculating the correlation with the PTA, part of departmental/practice assessment protocol, to obtain a level from which to calculate the presentation level for other speech tests, counselling tool. Use of SIN: patient counselling, managing patient expectations. Barriers: language differences, lack of equipment, time constraints

SRT: Speech recognition threshold, SDT: Speech detection threshold, SIN: Speech-in-noise tests, AB: Arthur Boothroyd

References

- Alanazi, A.A. (2017). Audiology and speech-language pathology practice in Saudi Arabia. *Int J Health Sci (Qassim)*, 11(5), 43-55.
- Ali, A., Hickson, L., & Meyer, C. (2017). Audiological management of adults with hearing impairment in Malaysia. *International Journal of Audiology*, 56(6), 408-416. doi:10.1080/14992027.2017.1305515
- American Speech-Language-Hearing Association. (2019). Audiology survey report: private practice. Retrieved from <https://www.asha.org/siteassets/surveys/>
- Anderson, M.C., Arehart, K.H., & Souza, P.E. (2018). Survey of Current Practice in the Fitting and Fine-Tuning of Common Signal-Processing Features in Hearing Aids for Adults. *J Am Acad Audiol*, 29(2), 118-124. doi:10.3766/jaaa.16107
- DeBow, A., & Green, W. (2000). A Survey of Canadian Audiological Practices : Pure Tone and Speech Audiometry. *Canadian Journal of Speech-Language Pathology and Audiology*, 24(4), 153-161.
- Easwar, V., Boothalingam, S., Chundu, S., Manchaiah, V., & Ismail, S. (2013). Audiological Practice in India: An Internet-Based Survey of Audiologists. *Indian Journal of Otolaryngology and Head & Neck Surgery*, 65. doi:10.1007/s12070-013-0674-2
- Kirkwood, D.H. (2005). When it comes to hearing aids, "more" was the story in '04. *The Hearing Journal*, 58(5). Retrieved from https://journals.lww.com/thehearingjournal/Fulltext/2005/05000/When_it_comes_to_hearing_aids,_more_was_the.5.aspx
- Martin, F., Champlin, C., & Chambers, J. (1998). Seventh survey of audiometric practices in the United States. *Journal of the American Academy of Audiology*, 9(2), 95.
- Myles, A.J. (2017). The clinical use of Arthur Boothroyd (AB) word lists in Australia: exploring evidence-based practice. *International Journal of Audiology*, 56(11), 870-875. doi:10.1080/14992027.2017.1327123
- Nandurkar, A., Mukundan, G., & Gore, G. (2015). Speech perception assessment practices among Audiologists in India: A Preliminary survey. *International Journal of Speech and Language Pathology and Audiology*, 3, 52-65.
- Thakor, H. (2020). *South African Audiologists' Use of Speech-in-Noise Testing for Adults with Hearing Difficulties*. (MSc Audiology). University of the Witwatersrand,