Viveka Lyberg Åhlander
Speech and Language Pathology
Minority Research
Solutions for Health
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## Biography

Min forskning rör sig kring skolan ur olika perspektiv men med grunden i kommunikation och skolans ljudmiljö. Viktiga aspekter är talarkomfort: lärarens möjlighet att göra sig hörd genom tillräckligt god ljudmiljö (akustik och bakgrunds-/aktivitetsljud) och med en fungerande röst och kommunikation (röstbelastning, röstkvalitet, ickeverbal kommunikation) och lyssnaransträngning (listening effort):  barnens eventuella ansträngning vid perception av det talade och  språkförståelse i relation till barnets kognitiva kapacitet. Den interventionsforskning som jag bedriver i skola rör utbildning av lärare och effekterna på lärarnas och barnens välbefinnande och barnens språkliga kapacitet. 

## Employment

**Head of Research**
Speech and Language Pathology
Åbo Akademi University
1 Aug 2025 → 31 Dec 2026

**Minority Research**
Åbo Akademi University
1 Aug 2019 → present

**Solutions for Health**
Åbo Akademi University
1 Aug 2019 → present

## Publications

**Screen language dominance: “my memory is completely English, but I speak Swedish”—a case study**
Forsblom, E., Åhlander, V. L. & Sundstedt, S., 13 Oct 2026, In: Frontiers in Psychology.

**Sickness Absences Due to Diagnosed Voice Disorders and Work Ability in Teachers: Results From the Finnish Register Study**
Vertanen-Greis, H., Holmqvist-Jämsén, S., Löyttyniemi, E. & Lyberg Åhlander, V., 12 Aug 2025, In: Journal of Speech, Language, and Hearing Research. 68, 8, p. 3887-3894

**Heard But Not Seen: Swedish Opera Choristers' Thoughts on Occupational Environment and Vocal Health, an Explorative Qualitative Study**
Wiegert, P., Rydell, R., Houmann, A., Johnson, D. T. & Lyberg Åhlander, V., 27 Feb 2025, (E-pub ahead of print) In: Journal of Voice.

**Training healthcare students to be competent communication partners: a scoping review.**
Muo, R., Blomqvist, E., Rautakoski, P., Lyberg Åhlander, V. & Schindler, A., 12 Feb 2025, In: Disability and Rehabilitation. 47, 19, p. 4878-4895

**Bokrecension: Profesjonell muntlighet, tydelig, troverdig og ansvarlig**
Lyberg-Åhlander, V., Jan 2025, In: Hogre Utbildning. 15, 1, p. 42-44 3 p.

**Speaker’s comfort and vocal effort in different room acoustic conditions: A controlled field experiment in a university lecture room**

Cansu, N., Öhlund Wistbacka, G., Holmqvist-Jämsén, S., Rydell, R., Calderara, P. & Lyberg Åhlander, V., 2025, In: Building Acoustics. 1351010X251364493.

### Validation of the Voice Handicap Index-Throat in Brazilian Portuguese
Carvalho, S. R., Dornelas, R., Lyberg-Åhlander, V., Schalen, L., Behlau, M. & Ribeiro, V. V., 2025, (Accepted/In press) In: Journal of Voice.

### The Influence of Narrative Specificity and Voice Quality When Listening to Audio Descriptions: A Comparison of the Sighted and the Blind
Lyberg-Åhlander, V., Holsanova, J. & Johansson, R., 19 Dec 2024, In: Journal of Audiovisual Translation. 7, 2

### Professional voice use in health and nursing care - Time for reconsideration? A scoping review
Vaartio-Rajalin, H., Lyberg Åhlander, V. & Nyholm, L., 11 Aug 2024, In: Scandinavian Journal of Caring Sciences. 38, 3, p. 550-567

### Röststörningar - teoretisk översikt
Lyberg Åhlander, V., Södersten, M. & Rydell, R., 1 Aug 2024, *Grundbok i Logopedi.* Hartelius, L., Johansson, K., Levlin, M., Schalling, E. & Södersten, M. (eds.). Lund: Studentlitteratur, p. 393-411

### Event boundary perception in audio described films by people without sight
Johansson, R., Rastegar, T., Lyberg Åhlander, V. & Holsanova, J., 18 Jul 2024, In: Applied Cognitive Psychology. 38, 4, e4228.

### Sex differences in vocal behavior in virtual rooms compared to real rooms
Papadimitriou, G., Brunskog, J., Heuchel, F. M., Lyberg Åhlander, V. & Öhlund Wistbacka, G., 3 Apr 2024, In: JASA express letters. 4, 4, 045201.

### Acoustic refurbishments in a university lecture room: Effects on speaker's comfort and voice use
Cansu, N., Öhlund Wistbacka, G., Holmqvist-Jämsén, S., Rydell, R., Arvidsson, E. & Lyberg Åhlander, V., 2024.

### Making space for singing in the 21st century classroom – A focus group interview study with primary school music teachers in Sweden
Horwitz, E. B., Johnson, D. T., Lyberg-Åhlander, V., Sahlén, B., Laukka, P. & Bygdéus, P., 22 Dec 2023, In: British Journal of Music Education.

### Reducing Vocal Fatigue With Bone Conduction Devices: Comparing Forbrain and Sidetone Amplification
Nudelman, C., Udd, D., Åhlander, V. L. & Bottalico, P., Nov 2023, In: Journal of Speech, Language, and Hearing Research. 66, 11, p. 4380-4397 18 p.

### A randomized controlled trial of the effectiveness of teacher continued professional development on student language outcomes
Sandgren, O., Andersson, K., Lyberg Åhlander, V., Rosqvist, I., Hansson, K. & Sahlén, B., 18 Apr 2023, In: International Journal of Language and Communication Disorders. 58, 3, p. 879-891

### Altered auditory feedback via bone conduction: Evaluating the forbrain device and sidetone amplification
Nudelman, C. J., Udd, D., Ahlander, V. & Bottalico, P., 2023, *Proceedings of Forum Acusticum.* European Acoustics Association, EAA, (Proceedings of Forum Acusticum).

### Influence of Respiratory Tract Infections on Vocabulary Growth in Relation to Child's Sex: The STEPS Study
Nylund, A., Toivonen, L., Korpilahti, P., Kaljonen, A., Lyberg Åhlander, V., Peltola, V. & Rautakoski, P., Dec 2022, In: International Journal of Environmental Research and Public Health. 19, 23, 15560.

### Enhancing teachers' classroom communication skills – Measuring the effect of a continued professional development programme for mainstream school teachers
Andersson, K., Sandgren, O., Rosqvist, I., Lyberg Åhlander, V., Hansson, K. & Sahlén, B., Jun 2022, In: Child Language Teaching and Therapy. 38, 2, p. 166-179

**Teachers' descriptions of classroom communication after an SLP-led in-service training**
Karjalainen, S., Åhlander, V. L., Sahlén, B. & Houmann, A., 25 Feb 2022, In: Logopedics Phoniatrics Vocology.

**Children's experiences of their learning environment: Psychometric properties of a questionnaire evaluating classroom environment, activities and interactions**
Brännström, K. J., Karjalainen, S., Sahlén, B., Andersson, K., Lyberg-Åhlander, V. & Christensson, J., 2022, In: Child Language Teaching and Therapy. 38, 1, p. 59-77

**How older adults relate to their own voices: a qualitative study of subjective experiences of the aging voice**
Lindström, E., Öhlund Wistbacka, G., Lötvall, A., Rydell, R. & Lyberg Åhlander, V., 2022, In: Logopedics Phoniatrics Vocology. 48, 4, p. 163-171

**Word definition skills in elementary school children - The contribution of bilingualism, cognitive factors, and social factors**
Rosqvist, I., Andersson, K., Sandgren, O., Lyberg-Åhlander, V., Hansson, K. & Sahlén, B., 2021, In: International Journal of Speech-Language Pathology. 24, 6, p. 596-606

**How the blind audience receive and experience audio descriptions of visual events – a project presentation**
Holsanova, J., Johansson, R. & Lyberg Åhlander, V., 4 Jul 2020, *Swiss Conference on Barrier-free Communication.*

**Children's development of semantic verbal fluency during summer vacation versus during formal schooling**
Rosqvist, I., Sandgren, O., Andersson, K., Hansson, K., Lyberg-Åhlander, V. & Sahlén, B., 2 Jul 2020, In: Logopedics Phoniatrics Vocology. p. –

**A Pilot Study on the Relationship between Primary-School Teachers' Well-Being and the Acoustics of their Classrooms**
Karjalainen, S., Brännström, J. K., Christensson, J., Sahlén, B. & Lyberg Åhlander, V., 2020, In: International Journal of Environmental Research and Public Health. 17, 6, p. – 2083.

**Audio-visual speech comprehension in noise with real and virtual speakers**
Nirme, J., Sahlén, B., Lyberg Åhlander, V., Brännström, J. & Haake, M., 2020, In: Speech Communication. 116, p. 44–55

**Editorial: Children Listen: Psychological and Linguistic Aspects of Listening Difficulties During Development**
Sahlén, B., Brännström, K. J., Lyberg Åhlander, V. & Rudner, M., 2020, In: Frontiers in Psychology.

**Perceived listening effort in children with hearing loss: listening to a dysphonic voice in quiet and in noise**
Brannstrom, K., Lyberg Åhlander, V. & Sahlen, B., 2020, In: Logopedics Phoniatrics Vocology. p. 1-9 9 p.

**Voice handicap index-throat: Translation and cross-cultural adaptation to brazilian portuguese.**
Veis Ribeiro, V., Wanderley Lopes, L., França da Silva, A. C., Medeiros Neto, A. H. D., Lyberg Åhlander, V., Schalen, L. & Behlau, M., 2020, In: Journal of Voice. p. –

**A virtual speaker in noisy classroom conditions: supporting or disrupting children's listening comprehension?**
Nirme, J., Haake, M., Lyberg Åhlander, V., Brännström, J. & Sahlén, B., 2019, In: Logopedics Phoniatrics Vocology. 44, 2 , p. 79–86

**Implementation and evaluation of a teacher intervention program on classroom communication**
Karjalainen, S., Sahlén, B., Falck, A., Brännström, J. & Lyberg Åhlander, V., 2019, In: Logopedics Phoniatrics Vocology. p. – 13 p.

**Passage comprehension performance in children with cochlear implants and/or hearing aids: the effects of voice quality and multi-talker babble noise in relation to executive function**
Jonas Brännström, K., von Lochow, H., Lyberg Åhlander, V. & Sahlén, B., 2019, In: Logopedics Phoniatrics Vocology. 45, 1, p. 15–23

**Prevalence of Voice Disorders in the General Population, Based on the Stockholm Public Health Cohort**
Lyberg Åhlander, V., Rydell, R., Fredlund, P., Magnusson, C. & Wilén, S., 2019, In: Journal of Voice. 33, 6, p. 900–905 6 p.

**Spoken language and language impairment in DHH children: Towards better communication fostering classroom environments for mainstreamed children.**
Sahlén, B., Hansson, K., Lyberg Åhlander, V. & Brännström, J., 2019, *Evidence-based practices in deaf education.* Knoors, H. & Marschark, M. (eds.). Oxford University Press, p. –

**The Contribution of Bilingualism, Parental Education, and School Characteristics to Performance on the Clinical Evaluation of Language Fundamentals: Fourth Edition, Swedish.**
Andersson, K., Hansson, K., Rosqvist, I., Lyberg Åhlander, V., Sahlén, B. & Sandgren, O., 2019, In: Frontiers in Psychology. 10, p. –

**The influence of voice quality and multi-talker babble noise on sentence processing and recall performance in school children using cochlear implant and/or hearing aids**
Jonas Brännström, K., von Lochow, H., Lyberg Åhlander, V. & Sahlén, B., 2019, In: Logopedics Phoniatrics Vocology. 44, 2, p. 87–94 8 p.

**Absolute or relative voice rest after phonosurgery: a blind randomized prospective clinical trial**
Whitling, S., Lyberg Åhlander, V. & Rydell, R., 2018, In: Logopedics Phoniatrics Vocology. 43, 4, p. 143–154

**Immediate Passage Comprehension and Encoding of Information Into Long-Term Memory in Children With Normal Hearing: The Effect of Voice Quality and Multitalker Babble Noise**
Jonas Brännström, K., von Lochow, H., Lyberg Åhlander, V. & Sahlén, B., 2018, In: American Journal of Audiology. 27, 2, p. 231–237 7 p.

**Is children's listening effort in background noise influenced by the speaker's voice quality?**
Sahlén, B., Haake, M., von Lochow, H., Holm, L., Kastberg, T., Jonas Brännström, K. & Lyberg Åhlander, V., 2018, In: Logopedics Phoniatrics Vocology. 43, 2, p. 47–55 9 p.

**Listening Comprehension and Listening Effort in the Primary School Classroom**
Rudner, M., Lyberg Åhlander, V., Brännström, J., Nirme, J., K. Pichora-Fuller, M. & Sahlén, B., 2018, In: Frontiers in Psychology. 9, p. – 7 p.

**The effect of voice quality and competing speakers in a passage comprehension task: perceived effort in relation to cognitive functioning and performance in children with normal hearing**
von Lochow, H., Lyberg Åhlander, V., Sahlén, B., Kastberg, T. & Jonas Brännström, K., 2018, In: Logopedics Phoniatrics Vocology. 43, 1, p. 32-41 9 p.

**The influence of voice quality on sentence processing and recall performance in school-age children with normal hearing**
Brännström, K. J., Kastberg, T., von Lochow, H., Haake, M., Sahlén, B. & Lyberg-Åhlander, V., 2018, In: Speech, Language and Hearing. 21, 1, p. 1-9 9 p.

**Choral singing under the microscope : Identifying vocal leaders through comparison of individual recordings of the singers**
Zadig, S., Folkestad, G. & Lyberg Åhlander, V., 2017, In: Finnish Journal of Music Education. 20, 1, p. 77–98

**Erratum to Design of a Clinical Vocal Loading Test With Long-Time Measurement of Voice [Journal of Voice, 2016; 29(2): 261.e13–261.e27]**
Whitling, S., Rydell, R. & Lyberg Åhlander, V., 2017, In: Journal of Voice. 31, 5, p. 643– 1 p.

**How Children Perceive the Acoustic Environment of Their School**
Jonas Brännström, K., Johansson, E., Vigertsson, D., Morris, D. J., Sahlén, B. & Lyberg Åhlander, V., 2017, In: Noise and Health. 19, 87, p. 84–94 11 p.

**Long-Time Voice Accumulation During Work, Leisure, and a Vocal Loading Task in Groups With Different Levels of Functional Voice Problems**
Whitling, S., Lyberg-Åhlander, V. & Rydell, R., 2017, In: Journal of Voice. 31, 2, p. 246.e1-246.e10

**Recovery From Heavy Vocal Loading in Women With Different Degrees of Functional Voice Problems**
Whitling, S., Lyberg Åhlander, V. & Rydell, R., 2017, In: Journal of Voice. 31, 5, p. 645.e1-645– 14 p.

**Körsångares erfarenhet av informellt ledarskap i körstämman**
Zadig, S., Lyberg Åhlander, V. & Folkestad, G., 2016, In: Svensk Tidskrift för Musikforskning. 98, p. 23–44

**Multi-track recordings of choral singers: Development and validation of a method to identify activities and interaction in the choral voice, based on recordings of the individual singers**
Zadig, S., Folkestad, G. & Lyberg Åhlander, V., 2016, In: Beiträge empirischer Musikpädagogik. 7, 1, p. 1–20

**Are children with stronger cognitive capacity more or less disturbed by classroom noise and dysphonic teachers?**
Lyberg-Åhlander, V., Holm, L., Kastberg, T., Haake, M., Brännström, K. J. & Sahlén, B., 2015, In: International Journal of Speech-Language Pathology. 17, 6, p. 577-588 12 p.

**Children's Subjective Ratings and Opinions of Typical and Dysphonic Voice After Performing a Language Comprehension Task in Background Noise**
Jonas Brännström, K., Holm, L., Lyberg Åhlander, V., Haake, M., Kastberg, T. & Sahlén, B., 2015, In: Journal of Voice. 29 , 5, p. 624–630 7 p.

**Does the speaker's voice quality influence children's performance on a language comprehension test?**
Lyberg-Åhlander, V., Haake, M., Brännström, J., Schötz, S. & Sahlén, B., 2015, In: International Journal of Speech-Language Pathology. 17, 1, p. 63-73 11 p.

**On the interaction of speakers' voice quality, ambient noise and task complexity with children's listening comprehension and cognition**
Lyberg Åhlander, V., J. Brännström, K. & Sahlén, B. S., 2015, In: Frontiers in Physiology. 6, p. –

**Part summary of the project 'Speakers' Comfort': Teachers' voice use in teaching environments**
Lyberg Åhlander, V., Rydell, R., Löfqvist, A., Pelegrin-García, D. & Brunskog, J., 2015, In: Building Acoustics. 22, 3-4, p. 209–224

**Psychotropic drug use in adolescents born with an orofacial cleft: a population-based study**
Nilsson, S., Merlo, J., Lyberg Åhlander, V. & Psouni, E., 2015, In: BMJ Open. 5, p. –

**Teachers 'voice use in teaching environment: Aspects on speakers' comfort**
Lyberg Åhlander, V., Rydell, R., Löfqvist, A., Pelegrin-García, D. & Brunskog, J., 2015, In: Energy Procedia. 78, p. 3090–3095

**Experiencing the role of PBL tutor**
Lyberg Åhlander, V., Lundskog, M. & Hansson, K., 2014, In: Clinical Linguistics & Phonetics. 28, 1-2, p. 36–46

**Teachers' Voice Use in Teaching Environments: A Field Study Using Ambulatory Phonation Monitor**
Lyberg Åhlander, V., Pelegrín García, D., Whitling, S., Rydell, R. & Löfqvist, A., 2014, In: Journal of Voice. 28, 6, p. 841.e5– 11 p.

**Pedagogen, rösten och ljudmiljön**
Lyberg Åhlander, V., 2013, *Rösträtt: musik på barns villkor.* Holmberg, Y. (ed.). Gehrmans Musikförlag, p. 45–54

**How Do Teachers With Self-Reported Voice Problems Differ From Their Peers With Self-Reported Voice Health?**
Lyberg Åhlander, V., Rydell, R. & Löfqvist, A., 2012, In: Journal of Voice. 26, 4, p. e149–e161 13 p.

**Measurement and prediction of voice support and room gain in school classrooms**
Pelegrin-Garcia, D., Brunskog, J., Lyberg-Åhlander, V. & Löfqvist, A., 2012, In: Journal of the Acoustical Society of America. 131, p. 194–204 11 p.

**Speaker's Comfort in Teaching Environments: Voice Problems in Swedish Teaching Staff**
Lyberg Åhlander, V., Rydell, R. & Löfqvist, A., 2011, In: Journal of Voice. 25, 4, p. 430–440 11 p.

**Influence of classroom acoustics on the voice levels of teachers with and without voice problems: A field study**
Pelegrin-Garcia, D., Lyberg Åhlander, V., Rydell, R., Brunskog, J. & Lofqvist, A., 2010, *Proceedings of Meetings on Acoustics.* Acoustical Society of America, p. –

**Throat related symptoms and voice: development of an instrument for self assessment of throat-problems**
Lyberg Åhlander, V., Rydell, R., Eriksson, J. & Schalén, L., 2010, In: BMC Ear, Nose and Throat Disorders. 10, p. –

**Automatic speech recognition (ASR) and its use as a tool for assessment or therapy of voice, speech, and language disorders**
Kitzing, P., Maier, A. & Lyberg Åhlander, V., 2009, In: Logopedics Phoniatrics Vocology. 34, 2, p. 91–96 6 p.

**Hoarseness as a Sign of Possible Nonspecific Mucosal Hyperreactivity in Vocal Tract**
Lyberg Åhlander, V., Malm, L. & Schalén, L., 2009, In: Journal of Voice. 23, 6, p. 707–715

## Activities

**Ordkonstnätverket vid Åbo Akademi**
Heilä-Ylikallio, R. (Organiser), Nynäs, P. (Organiser), Österlund, M. (Organiser), Jusslin, S. (Organiser), Lyberg Åhlander, V. (Organiser) & Lundell, S. (Organiser)
23 Apr 2024

**Kapitelworkshop för nordiska forskare, författare och redaktörer om vad ordkonst är och kan vara**
Heilä-Ylikallio, R. (Organiser), Jusslin, S. (Organiser), Österlund, M. (Organiser), Lyberg Åhlander, V. (Organiser) & Höglund, H. (Organiser)
14 Mar 2024 → 15 Mar 2024

**Finska röstergonomisällskapet**
Lyberg Åhlander, V. (Organiser)
1 Dec 2023

**Medicinsk Humaniora**
Lyberg Åhlander, V. (Organiser), Nilsson, F. (Organiser), Slotte, Å. (Organiser), Marander-Eklund, L. (Organiser) & Karrasch, M. (Organiser)
27 Oct 2023

**Nätverksseminarium**
Heilä-Ylikallio, R. (Organiser), Österlund, M. (Organiser) & Lyberg Åhlander, V. (Organiser)
15 Sept 2023

**Forum Acusticum**
Lyberg Åhlander, V. (Organiser), Cansu, N. (Participant), Lindström, E. (Participant), Heikkola, L. M. (Participant) & Öhlund Wistbacka, G. (Participant)
12 Sept 2023

**TEACHERS' VOICE USE AND WELLBEING IN RELATION TO THE CLASSROOM ACOUSTICS AND BACKGROUND NOISE**
Lyberg Åhlander, V. (Speaker)
12 Sept 2023

**Logopedics Phoniatrics Vocology (Journal)**
Lyberg Åhlander, V. (Editor in chief)
1 Jan 2023 → 31 Dec 2023

**Ingrid Verduyckt**
Lyberg Åhlander, V. (Host)
2 Oct 2022 → 7 Oct 2022

**Logopedics Phoniatrics Vocology (Journal)**
Lyberg Åhlander, V. (Editor)
2010

## Prizes

**Harry Elvins legat**
Lyberg Åhlander, V. (Recipient), 8 Sept 2022

**Honorary member of the Finnish Voice Ergonomic Society**
Lyberg Åhlander, V. (Recipient), 2020

**Studenternas ros**
Lyberg Åhlander, V. (Recipient), 2020

## Awards

**Ansökan om tilläggsfinansiering 2025-2026 för Logopedins Barnforskningsprojekt**
Nylund, A. (PI) & Lyberg Åhlander, V. (PI)
Kommunalrådet C.G. Sundells Stiftelse sr: €279,624.00
14/02/25 → 31/12/26

## Viveka Lyberg Åhlander Curriculum Vitae

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|---|---|
| 2021 | Lorem ipsum dolor sit amet |
| 2020 | Lorem ipsum dolor sit amet |
| 2019 | Lorem ipsum dolor sit amet |
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