

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):&nbsp; barnens eventuella ansträngning vid perception av det talade och&nbsp; 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.&nbsp;

## Employment

### Professor

Speech and Language Pathology  
Åbo Akademi University  
1 Aug 2019 → 31 Jul 2025

### Minority Research

Åbo Akademi University  
1 Aug 2019 → present

### Solutions for Health

Åbo Akademi University  
1 Aug 2019 → present

## Publications

### 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.

### 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

**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. & Sahlén, 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., Pelegrin García, D., Whitting, 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. & Löfqvist, 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 Phoniatics Vocology (Journal)**

Lyberg Åhlander, V. (Editor in chief)  
1 Jan 2023 → 31 Dec 2023

**Ingrid Verduyck**

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

**Logopedics Phoniatics 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**

**Sjung för språkets skull! Strukturerad sång på svenska i skolan. Effekter på barns språk, röst och välbefinnande**

Lyberg Åhlander, V. (PI)  
Svenska kulturfonden: €80,000.00  
15/05/24 → 14/05/25

**Viveka Lyberg Åhlander Curriculum Vitae**

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