

Viveka Lyberg Åhlander
Speech and Language Pathology
Minority Research
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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

Professor

Speech and Language Pathology
Åbo Akademi University
1 Aug 2019 → present

Minority Research

Åbo Akademi University
1 Aug 2019 → present

Solutions for Health

Åbo Akademi University
1 Aug 2019 → present

Publications

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., 15 Dec 2022, (E-pub ahead of print) In: International Journal of Language and Communication Disorders.

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., 23 Nov 2022, In: International Journal of Environmental Research and Public Health. 19, 23

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

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., 21 Apr 2022, (E-pub ahead of print) In: Logopedics Phoniatrics Vocology. p. 1-9 10 p.

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.

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., 21 Nov 2021, (E-pub ahead of print) In: *International Journal of Speech-Language Pathology*. p. 1-11 12 p.

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., 2021, (E-pub ahead of print) In: *Child Language Teaching and Therapy*.

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 Phoniatics 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, KJ., Lyberg Åhlander, V. & Sahlen, B., 2020, In: *Logopedics Phoniatics 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 Phoniatics 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 Phoniatics 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 Phoniatics 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., Whittling, 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.). Gehrman's 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

Ingrid Verduyckt

Viveka Lyberg Åhlander (Host)

2 Oct 2022 → 7 Oct 2022

Logopedics Phoniatrics Vocology (Journal)

Viveka Lyberg Åhlander (Editor)

2010

Prizes

Harry Elvins legat

Lyberg Åhlander, Viveka (Recipient), 8 Sept 2022

Honorary member of the Finnish Voice Ergonomic Society

Lyberg Åhlander, Viveka (Recipient), 2020

Studenternas ros

Lyberg Åhlander, Viveka (Recipient), 2020

Awards

Logopedins barnspråksprojekt

Lyberg Åhlander, V.

Kommunalrådet CG Sundells stiftelse: €350,000.00

01/01/23 → 31/12/25

Viveka Lyberg Åhlander Curriculum Vitae

2021	Lorem ipsum dolor sit amet
2020	Lorem ipsum dolor sit amet
2019	Lorem ipsum dolor sit amet
2018	Lorem ipsum dolor sit amet
2017	Lorem ipsum dolor sit amet
2016	Lorem ipsum dolor sit amet