

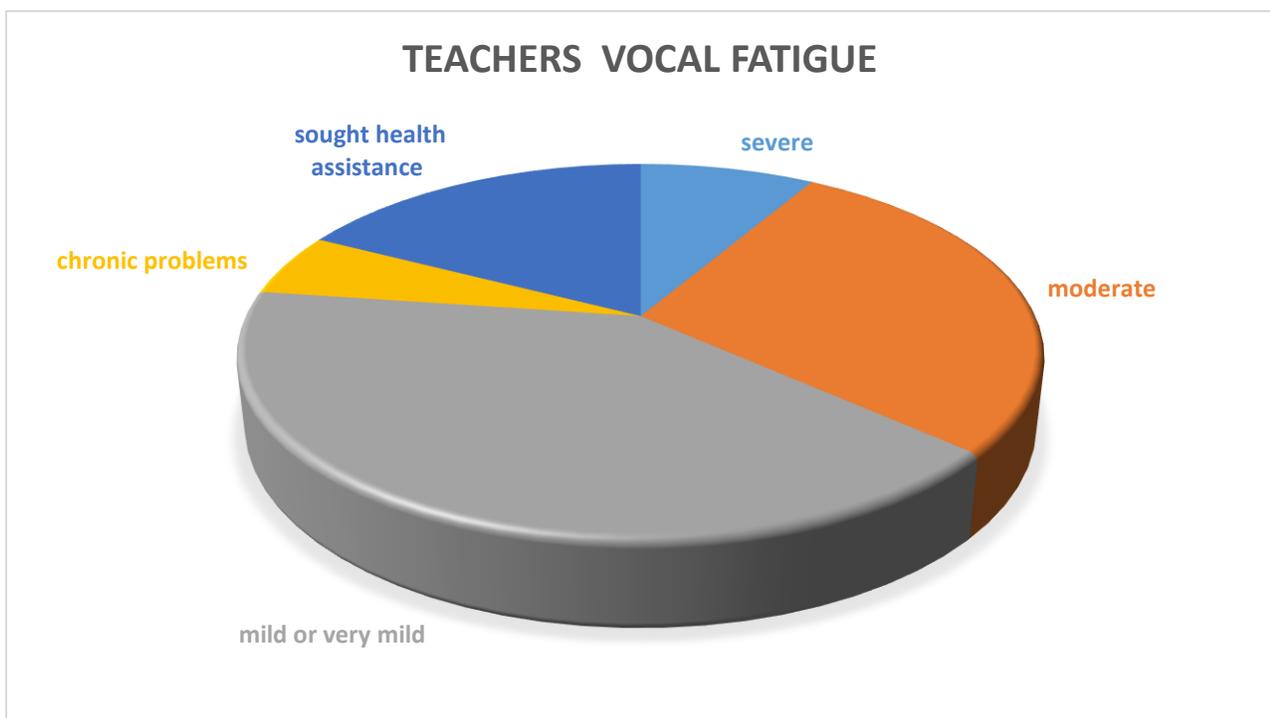
## Why Sound field systems are so important Teachers struggle to find a voice, survey finds

This information below is from a study done in 2015

<sup>1</sup>The first study of its kind in New Zealand has found more than half of teachers surveyed have suffered from voice problems, ranging from hoarseness to total loss, during their careers.

The findings of a nationwide survey of 1879 primary and secondary school teachers, led by the University of Auckland researchers and published this week, has prompted calls for more awareness around what has been described as an overlooked and potentially damaging health risk. Of the 1081 teachers who reported any voice problems, just over half told of mild problems, while 36 percent reported "moderate" problems and nearly 11 percent had experienced severe or very severe issues.

Just over 70 percent answered that their voice took less than a week to recover from problems, while 22 percent took up to four weeks and a further 7 percent reported chronic problems that required at least four weeks of recovery.

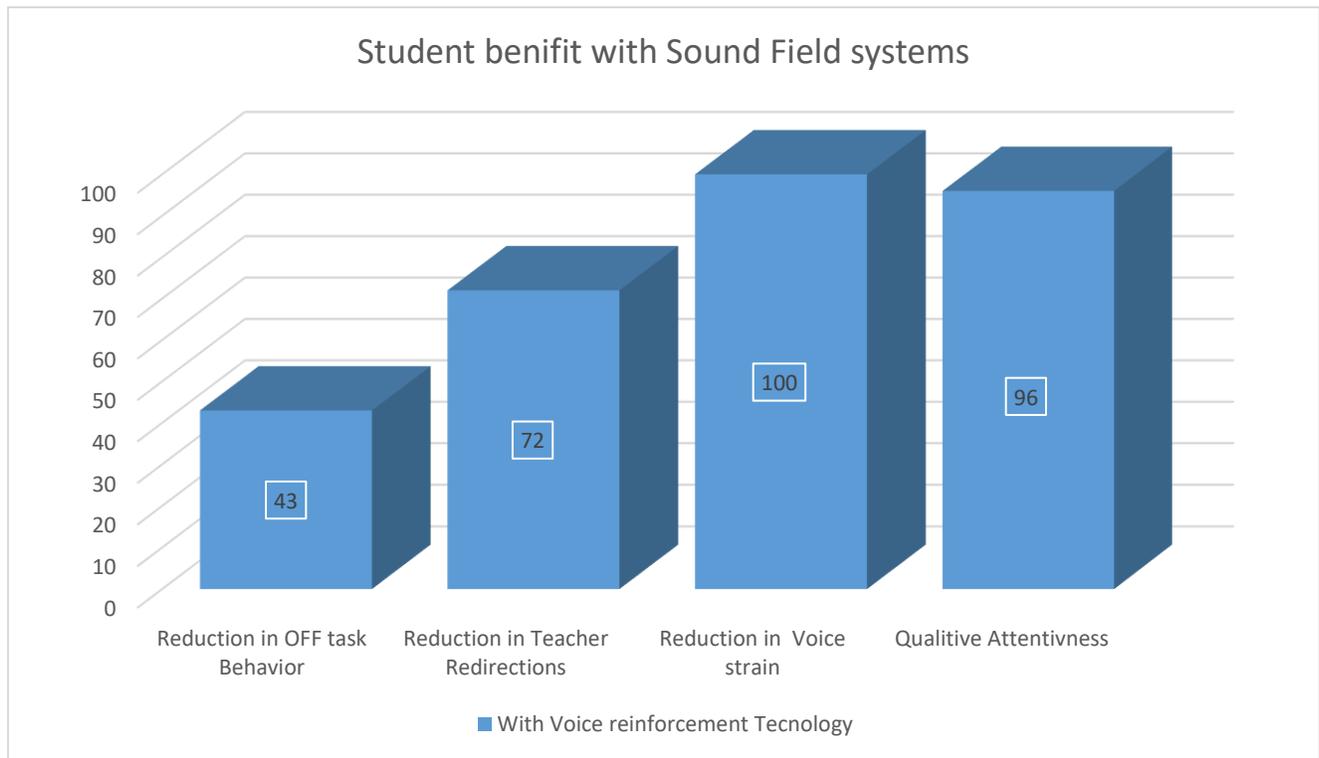


<sup>1</sup> [https://www.nzherald.co.nz/nz/news/article.cfm?c\\_id=1&objectid=11393288](https://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=11393288)

# How Students can benefit from Sound field systems

Research from NZ the U.S on the benefits for students.

- <sup>2</sup>The goal of Classroom Audio Technology is to enable every child in a classroom to hear all the speech components of the teacher's voice no matter where a child is seated relative to the teacher's position in the room.
- <sup>3</sup>Young children spend 75% of their school day involved in listening activities. Their primary channel for learning is hearing.
- <sup>4</sup>ESOL children. With the acknowledgment of English language acquisition as a primary goal, phonemic awareness and word recognition is critical to their ongoing academic success
- Auditory facilities are not fully developed until around the age of 15
- <sup>5</sup>Classroom audio as a proven tool that can overcome adverse classroom conditions, providing students with enhanced speech recognition and, therefore, much-improved opportunity to learn. Sound-field classroom audio is now recognized as one of the most powerful and cost-effective tools for student improvement.
- <sup>6</sup>Sound-field improves learning and literacy outcomes, creates enhanced classroom harmony and improved student behaviour, and reduces voice strain among teachers. Sound-field achieves this by overcoming problems associated with noise, distance, and reverberation



<sup>2</sup> <https://www.oticon.org.nz/pdf/soundfieldresearch.pdf>

<sup>3</sup> [https://www.lightspeed-tek.com/default/assets/File/Benefits\\_of\\_CAT\\_KN0087US01-5.pdf](https://www.lightspeed-tek.com/default/assets/File/Benefits_of_CAT_KN0087US01-5.pdf)

<sup>4</sup> [https://www.lightspeed-tek.com/default/assets/File/Impact\\_High\\_ESOL\\_KN0297US01-3.pdf](https://www.lightspeed-tek.com/default/assets/File/Impact_High_ESOL_KN0297US01-3.pdf)

<sup>5</sup> [https://www.lightspeed-tek.com/default/assets/File/Benefits\\_of\\_CAT\\_KN0087US01-5.pdf](https://www.lightspeed-tek.com/default/assets/File/Benefits_of_CAT_KN0087US01-5.pdf)

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