

---

## Plan Overview

*A Data Management Plan created using DMPTuuli*

**Title:** Noise and room acoustics – risk factors for voice disorders among music therapists?

**Creator:** Leena Maria Heikkola

**Principal Investigator:** Leena Maria Heikkola

**Data Manager:** Leena Maria Heikkola

**Contributor:** Viveka Lyberg Åhlander

**Affiliation:** Åbo Akademi University

**Template:** General Finnish DMP template

**ORCID iD:** 0000-0002-1795-7656

### Project abstract:

Music therapy is a “vocally demanding profession” (Boyle & Engen, 2008, p.46). Currently, little is known about the prevalence of voice disorders and about the possible risk factors for voice disorders, such as noise and room acoustics within music therapy. However, voice disorders are well documented among other vocally demanding professions, such as teachers and singers. As it can be assumed that music therapy workspaces may not always be ideal in terms of acoustics, the aim of the study is to investigate the possible voice disorders, and room acoustics and noise as risk factors among music therapists in Finland.

The data will be collected via a modified online survey previously used to investigate teachers (see Lyberg Åhlander et al, 2009) including Likert scale statements. Statements regarding room acoustics, environmental factors, and voice will be analyzed for frequencies. Also, possible links with background factors (e.g. age, work context, client groups) will be analyzed using Chi Square and z tests. Results will enable us to present music therapists practical strategies to ensure vocal health.

**ID:** 20943

**Start date:** 01-03-2023

**End date:** 01-03-2024

**Last modified:** 17-02-2023

### Copyright information:

The above plan creator(s) have agreed that others may use as much of the text of this plan as they would like in their own plans, and customise it as necessary. You do not need to credit the creator(s) as the source of the language used, but using any of the plan's text does not imply that the creator(s) endorse, or have any relationship to, your project or proposal

# Noise and room acoustics – risk factors for voice disorders among music therapists?

---

## 1. General description of the data

**1.1 What kinds of data is your research based on? What data will be collected, produced or reused? What file formats will the data be in? Additionally, give a rough estimate of the size of the data produced/collected.**

The data for this study will be collected via an online questionnaire. The data will only be used in this project. The data will be responses to Likert-scale statements, and will be stored as a table (excel/SPSS). We hope to get responses from several hundred participants.

**1.2 How will the consistency and quality of data be controlled?**

The data will be collected via an online questionnaire. Thus, the data will be automatically transferred into a table when downloading the responses, minimizing the possibility for human error. However, the data table will be inspected visually to ensure that no problems have occurred during the data transfer. Both researcher will use the same table, so only one version of the data will be sorted and used.

## 2. Ethical and legal compliance

**2.1 What legal issues are related to your data management? (For example, GDPR and other legislation affecting data processing.)**

We will not collect the names or contact information of the participants. However, age, gender and location of work/residence, will be asked for. These will be used for analysis, but the results will be reported in a way that does not make it possible for a reader to identify any single participant. As no names or contact information will be collected, the data can be handled in an anonymized way.

**2.2 How will you manage the rights of the data you use, produce and share?**

The data collected for this study will only be used by the researchers in the study, and will not be made available for other researchers, as the data is narrow and will be used in its entirety in this study.

## 3. Documentation and metadata

**3.1 How will you document your data in order to make it findable, accessible, interoperable and re-usable for you and others? What kind of metadata standards, README files or other documentation will you use to help others to understand and use your data?**

The study will be done by two researchers, using one table file shared privately via Åbo Akademi University's server.

## 4. Storage and backup during the research project

**4.1 Where will your data be stored, and how will the data be backed up?**

The data and the back-up data will be stored on Åbo Akademi University's private server, accessible only to the researcher of the study - as recommended by the university.

**4.2 Who will be responsible for controlling access to your data, and how will secured access be controlled?**

Although no names or contact information will be stored, the data can only be accessed by the two researchers in the study.

## 5. Opening, publishing and archiving the data after the research project

**5.1 What part of the data can be made openly available or published? Where and when will the data, or its metadata, be made available?**

As the data will be used in this study in its entirety, no data will be made available after the study.

**5.2 Where will data with long-term value be preserved, and for how long?**

We will store the data until the study is finished, and it will be destroyed latest 5 yrs after the data collection. The data will be stored/archived on Åbo Akademi University's server.

## 6. Data management responsibilities and resources

**6.1 Who (for example role, position, and institution) will be responsible for data management?**

The PI of the study is responsible for data management, as well as for the DMP. The second researcher in the project will have access to the privately shared data table.

**6.2 What resources will be required for your data management procedures to ensure that the data can be opened and preserved according to FAIR principles (Findable, Accessible, Interoperable,**

**Re-usable)?**

The data management in the study will be done within ordinary university resources.