183.176

... is the number of data points obtained from a variety of audiometry and speech audiometry tests, cognitive tests and questionnaires of 581 test subjects that researchers from the Hearing4all Cluster of Excellence have made available on the Zenodo platform under the title Oldenburg Hearing Health Record (OHHR). The data was collected between 2013 and 2015 in collaboration with Cluster partner Hörzentrum Oldenburg. It has been structured and processed and is now available to researchers from all over the world to use for their work.

Making research data publicly available is a prerequisite of the research data policy to which the Cluster has committed itself. But it will also play a critical role in the upcoming funding period, in which Cluster participants from Oldenburg and Hannover aim to establish globally applicable standards for data collection and structuring in hearing research.

Common data standards hold enormous potential, particularly for large-scale data-driven analyses. These AI based analyses are key to detecting hearing impairments at an early stage and predicting their progression. Moreover, AI is increasingly used to enhance signal processing in hearing aids, and researchers and developers rely on large amounts of standardised data to train these systems.