

EVOTION

BIG DATA SUPPORTING PUBLIC HEARING HEALTH POLICIES

Doing more?

The EVOTION project is the first of its kind.

It has successfully initiated the largest research study of hearing problems with concurrent collection of dynamic data from patients in standard clinical pathway.

The cross-European partner organizations include policy makers, technicians, clinicians, and researchers working closely together to create this innovative Big Data platform.

We invite healthcare stakeholders, industry and researchers for out-of-box collaboration in the field of Big Data in healthcare through profound insights about the factors that affect hearing health and wellbeing.

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Eriksholm Research Centre / Oticon



University College London/Ear Institute



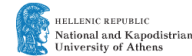
Institute of Communication and Computer Systems (ICCS), NTUA



City University London, CeNACS



University of Athens, Dep of Otolaryngology



Nofer Institute of Occupational Medicine



Guy's and St Thomas NHS Foundation Trust



Athens Technology Centre SA



Institute of Public Health for the Osijek-Baranya County



Pazardzhik Regional Administration



University of Milan, SESAR



Athens Medical Group



Empelor GmbH



EVOTION

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EVOTION is the first project of its kind.

Our mission is to enable and realize hearing health policies qualified through collection and integration of solid evidence and the development of a Big Data informed decision support system for the improvement of hearing loss prevention, rehabilitation, and treatment.



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Background

Hearing loss is, according to World Health Organization, one of the most prevalent chronic conditions and the 5th cause of years lived with a disability.

Hearing loss increases the risk of cognitive decline, mental illness and depression. These lead to social isolation, unemployment/early retirement, loss of income and work discrimination.

The main intervention for hearing loss is the provision of hearing aids. However, there is limited evidence of use and thus need for more evidence to support policy making within the area of hearing health care.

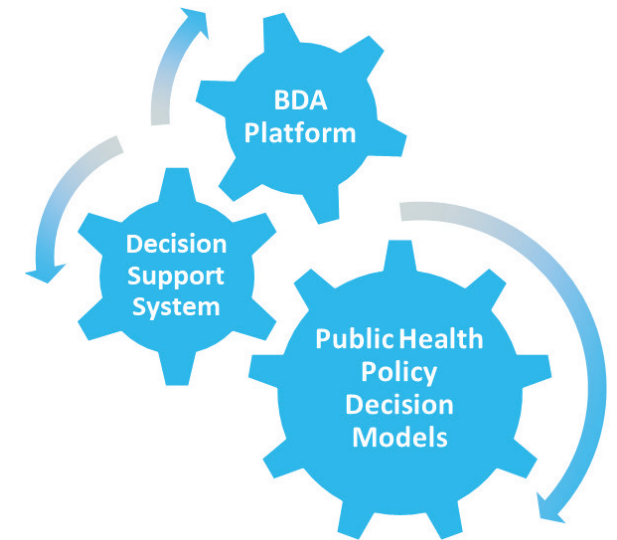
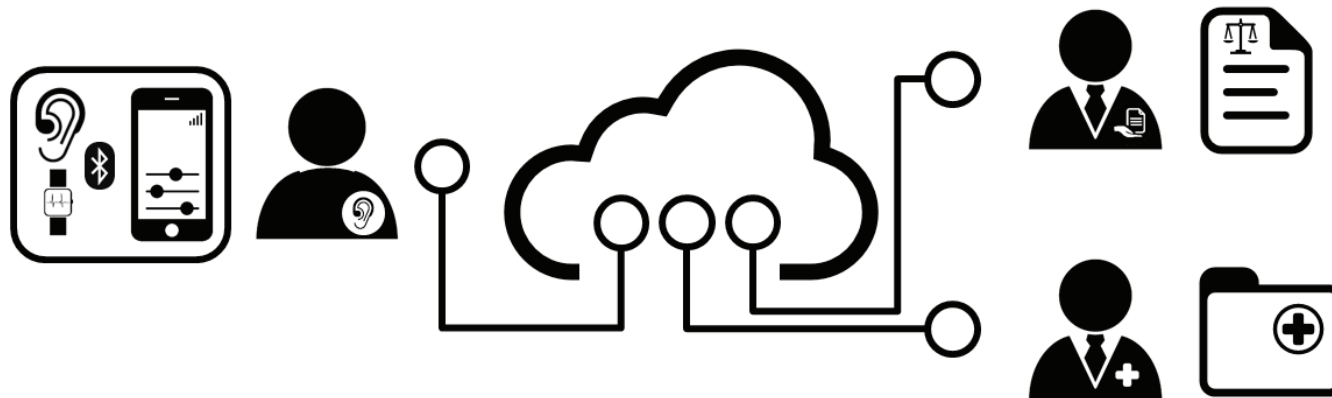
Method

EVOTION is building an innovative multi stakeholder demonstration platform that combines and analyses heterogeneous Big Data collected from both clinical repositories and from 1000+ patients' everyday treatment.

The usability and the impact of the EVOTION platform may be extended by integration of app and web interfaces, which will allow relevant actors, including patients, health professionals and health policy makers to interact and integrate their user requirements with the platform.

Outcome

The EVOTION platform will help health care professionals and health policy makers to identify, simulate, select, and monitor the effectiveness of current and new hearing loss interventions.



Data provided by self-management of hearing aids offer different actors different perspectives from the same data:

- For patients the self-management data enable personalisation of their hearing aid settings without the need to formulate the needs verbally.
- For hearing health care professionals, the same data provide insights allowing them to monitor and improve the benefit of treatments.