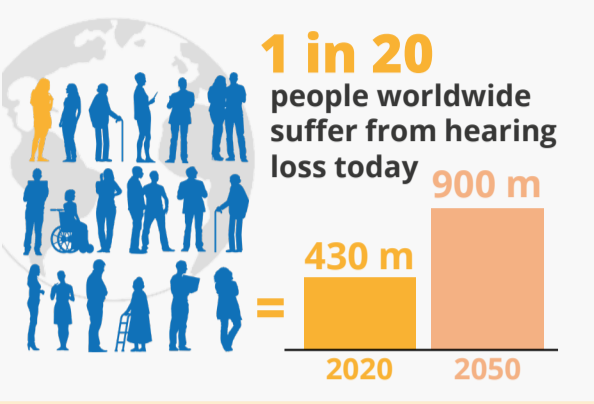




# MOSAICS

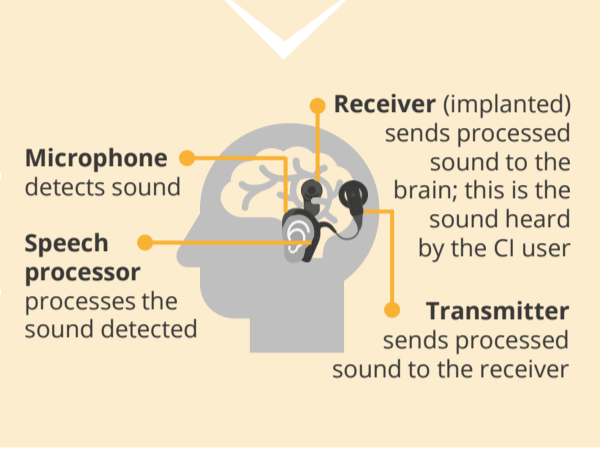
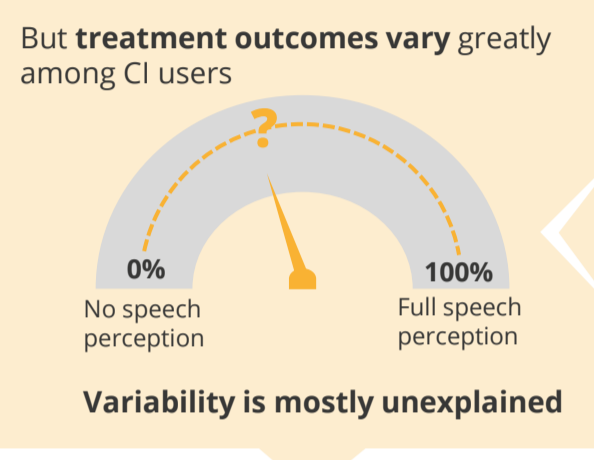
Hearing Matters

## Adult hearing loss and the project MOSAICS



**60 million** suffer profound hearing loss and limited participation in society

**could be treated by a cochlear implant (CI) to restore hearing**



# MOSAICS

aims to better understand and **minimize the variability** in treatment outcomes among CI users to **maximize their participation** in society

**How?** Through a holistic approach of combined disciplines

### Biophysics

Investigate obstacles to the flow of sound in the auditory pathway to better predict CI user outcomes

### Neuroscience

Understand how the brain interprets sound from the CI to improve the prediction of treatment outcomes

### Engineering

Adapt the design and fitting of CIs to the users with machine learning techniques, to improve treatment

### Sociology

Develop personalized rehabilitation programs for CI users to maximize their CI treatment results

## Learn more

[www.mosaics-eid.eu](http://www.mosaics-eid.eu)    @MOSAICS\_2020    [info@mosaics-eid.eu](mailto:info@mosaics-eid.eu)

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